

BOROUGH



OF LUTON

ANNUAL REPORT

of the

Medical Officer of Health

and the

Chief Sanitary Inspector

FOR THE YEAR 1947

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BOROUGH



OF LUTON

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Public Health Department,
Town Hall,

LUTON.

January, 1948.

His Worship the Mayor, Aldermen and
Councillors of the Borough of Luton.

Ladies and Gentlemen,

This Annual Report for the year 1947 relates to the last complete year during which the Borough Council will be responsible for personal health services developed and administered over a long period of years.

On 5th July, 1948, the Council's Isolation Hospital and Maternity Institutions vest in the Minister of Health under the Health Service Act, 1946; and other personal services become the responsibility of the Bedfordshire County Council under the same Act.

The Council's hospitals would be transferable to the Minister of Health whatever the local government status of the town, but, as you are well aware, the loss of other services to the County Council is consequent upon the accident that Luton is not a County Borough.

As I stated in the Annual Report for 1946, the status of the Borough has been under review since June of that year, yet unfortunately at the end of 1947, i.e. eighteen months after the Local Government Boundary Commission opened their inquiry, we have no information that they have reached a decision.

Partly, no doubt, as a consequence of the inadequacy of trained personnel to meet national demands, and partly because of the great difficulty of securing housing accommodation for newcomers to the town, it has proved impossible during 1947 to recruit sufficient staff to make good wastage. It is almost certain, moreover, that the prevailing uncertainty about the borough's future as a unit of health administration has aggravated these difficulties. Health visitors, for instance, in the employ of the council at the end of the year numbered only five as against an approved establishment of ten; and at one time it seemed almost inevitable that the Spittlesea Isolation Hospital would have to be closed for want of nursing staff although the demand for beds was insistent.

I regret to report, therefore, that after maintaining full services during the whole of the war period it has proved impossible to do so during 1947 for reasons beyond the control of the Council.

The population of the borough increased again during 1947 from a little over 107,000 at the beginning of the year to close on 110,000 at the end of the year. The Registrar-General estimated the civilian population at the 30th June, 1947, to be 108,940.

The birth rate for 1947 reached a level of 21.3, the highest recorded for many years with the exception of the peak figure of 22.7 in 1944 (see Table 2, p. 6).

The stillbirth rate was the lowest ever recorded—a rate of 21.1, as against the high rate of 31.8 for the previous year.

Infantile mortality remained at the low level it has held since 1944. The rate for 1947 was 36 per thousand live births.

In common with the rest of the country, Luton experienced a high incidence of infantile paralysis. The outbreak was, indeed, the outstanding medical event of the year, within the purview of the Health Department. Between the 28th May (the date of occurrence of the first case) and the end of the year 47 confirmed cases occurred in the borough with 8 fatalities. Details of the age and sex distribution of the cases, classified according to severity, are given in Appendix I which contains also a graph showing the spread of cases during the period 2nd August to 31st December. Effective treatment and after-care for the sufferers were secured in a manner which has already been reported.

With the exception of infantile paralysis, there was no unusual incidence of notifiable infectious disease. There were 471 notifications of measles, 100 whooping cough, 178 of scarlet fever, and 5 of diphtheria; but not a single death was attributed to these causes.

Once more there have been many staff changes during the year, amongst them the retirement of Miss Lilian Dally who was Matron to the Isolation Hospital for twenty-five years.

Your Public Health Committee as well as individual members of the Council have shown a consistent understanding of the Department's difficulties during another year of transition, and the public have accepted with forbearance the contraction of services which circumstances beyond local control have forced upon us.

I should like to place on record my indebtedness to the entire staff of the health department who have, without exception, served the public willingly and efficiently.

Finally, I wish to refer to the change in the Chairmanship of the Public Health Committee consequent upon an altered constitution of the Council. In November, 1947, Councillor A. J. Mander, O.B.E., J.P., replaced Alderman W. G. Roberts, J.P., who rendered great service to the health services of the Borough during his ten years as Chairman of the Health Committee.

I have the honour to be,

Your obedient servant,

F. GRUNDY,

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

GENERAL STATISTICS.

| | | | | | |
|---|-----|-----|-----|-----|-------------|
| Area (from 1st April, 1939) | ... | ... | ... | ... | 8,736 acres |
| Population (Census, 1931) | ... | ... | ... | ... | 68,523 |
| Registrar-General's Estimate for mid-1947 (Provisional) | | | | | 108,940 |
| Number of inhabited houses, 1st April, 1947 | ... | ... | | | 29,200 |
| Rateable value (1st April, 1947) unreduced | ... | ... | | | £894,618 |
| Rateable value (1st April, 1947) reduced | ... | ... | ... | | £781,132 |
| Sum represented by Penny Rate (est. 1947-48) | ... | ... | | | £3,225 |

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1947

| | | | <i>Total</i> | <i>Males</i> | <i>Females</i> |
|---|--------------|-----|--------------|--------------|----------------|
| Notified live births | Legitimate | ... | 2,612 | 1,363 | 1,249 |
| | Illegitimate | ... | 156 | 88 | 68 |
| | All | ... | 2,768 | 1,451 | 1,317 |
| Notified stillbirths | Legitimate | ... | 64 | 28 | 36 |
| | Illegitimate | ... | 2 | — | 2 |
| | All | ... | 66 | 28 | 38 |
| Total Live and Stillbirths (Notified) | | | 2834 | | |
| Stillbirth Rate per 1,000 total (live & still) births* | | | ... | ... | 21.1 |
| Registered live births* | | | 2,321 | | |
| Live Birth Rate per 1,000 of estimated resident population (provisional) | | | | | 21.3 |
| | | | <i>Total</i> | <i>Males</i> | <i>Females</i> |
| Registered Deaths* | | | 1,027 | 546 | 481 |
| Death rate per 1,000 estimated resident population | | | ... | ... | 9.4 |
| Death from Puerperal Causes (Headings 29 and 30 of Registrar-General's short list) :— | | | | | |

| | <i>Deaths</i> | <i>Rate per 1,000 registered total births</i> |
|-------------------------------|---------------|---|
| No. 29 Puerperal Sepsis | 1 | 0.4 |
| No. 30 Other Puerperal causes | 1 | 0.4 |
| Total | 2 | 0.8 |

Death Rates of Infants under 1 year of age :—

| | | |
|---|-----|----|
| All Infants per 1,000 registered live births (provisional) | ... | 36 |
| Legitimate per 1,000 legitimate live births (provisional) | ... | 35 |
| Illegitimate per 1,000 illegitimate live births (provisional) | | 48 |

* Corrected for inward and outward transfers.

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL
DEATH RATES AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES
IN THE YEAR 1947.

(England and Wales, London, 126 Great Towns and 148 Smaller Towns).
(Provisional figures based on Weekly and Quarterly Returns).

| | LUTON. | ENGLAND AND WALES. | 126 County Boro's and Great Towns including London. | 148 Smaller Towns (Resident Population 25,000 to 50,000 at 1931 Census). | London Administrative County. |
|--|---|-----------------------|--|---|-------------------------------------|
| | * Rates per 1,000 Civilian Population | | | | |
| Births : | | | | | |
| Live | 21.3 | 20.5‡ | 23.3 | 22.2 | 22.7 |
| Still | 0.46 | 0.50‡ | 0.62 | 0.54 | 0.49 |
| Deaths : | | | | | |
| All causes | 9.5 | 12.0‡ | 13.0 | 11.9 | 12.8 |
| Typhoid and Paratyphoid Fevers | — | 0.00 | 0.00 | 0.00 | 0.00 |
| Scarlet Fever | — | 0.00 | 0.00 | 0.00 | 0.00 |
| Whooping Cough | — | 0.02 | 0.03 | 0.02 | 0.02 |
| Diphtheria | — | 0.01 | 0.01 | 0.01 | 0.01 |
| Influenza | 0.04 | 0.09 | 0.09 | 0.08 | 0.08 |
| Smallpox | — | 0.00 | 0.00 | 0.00 | — |
| Measles | — | 0.01 | 0.02 | 0.02 | 0.01 |
| | Rates per 1,000 live births | | | | |
| Deaths under 1 year of age | 37 | 41† | 47 | 36 | 37 |
| Deaths from Diarrhoea and Enteritis under 2 years of age | 3.0 | 5.8 | 8.0 | 3.7 | 4.8 |
| | Rates per 1,000 Civilian Population | | | | |
| Notifications : | | | | | |
| Typhoid Fever | — | 0.01 | 0.01 | 0.00 | 0.01 |
| Paratyphoid Fever | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Cerebro Spinal Fever | 0.07 | 0.05 | 0.06 | 0.05 | 0.05 |
| Scarlet Fever | 1.64 | 1.37 | 1.54 | 1.37 | 1.31 |
| Whooping Cough | 0.92 | 2.22 | 2.41 | 2.02 | 2.80 |
| Diphtheria | 0.04 | 0.13 | 0.15 | 0.14 | 0.14 |
| Erysipelas | 0.06 | 0.19 | 0.21 | 0.18 | 0.22 |
| Smallpox | — | 0.00 | 0.00 | 0.01 | 0.00 |
| Measles | 4.35 | 9.41 | 9.13 | 9.58 | 5.29 |
| Pneumonia | 0.40 | 0.79 | 0.89 | 0.68 | 0.64 |
| | Rates per 1,000 Total Births (Live and Still) | | | | |
| (a) Notifications : | | | | | |
| Puerperal Fever | } 11.05 | 7.16 | 8.99 | 6.27 { | 1.21 Ø 6.94 |
| Puerperal Pyrexia | | | | | |
| (b) Maternal Mortality : | | | | | |
| Puerperal Infection (No. 147) | } 0.42 | 0.16 | } | Not available | |
| Abortion with Sepsis (No. 140)... | | | | | |
| Abortion without Sepsis (No. 141) | } — | 0.06 | | | |
| Others | | | | | |
| Total | 0.42 | 1.17 | | | |

* A dash (—) signifies that there were no deaths.

† Per 1,000 related births.

‡ Rates per 1,000 Total population.

Ø Including Puerperal Fever.

TABLE 2. COMPARATIVE STATISTICS FOR 1937—1947

| Year | Esti- mated Popula- tion | LIVE BIRTHS | | STILLBIRTHS | | DEATHS | | INFANT DEATHS | | | Rate per 1000 live births | MATERNAL DEATHS | | | |
|------|-----------------------------------|-------------|--|-------------|-------------------------------------|--------|--|------------------|-----------------------------|-------|---------------------------------------|-----------------|-------|--------|--|
| | | Number | Rate per 1000 estimated popula- tion | Number | Rate per 1000 total births | Number | Rate per 1000 estimated popula- tion | Under 4 weeks | 4 weeks —12 months | TOTAL | | Sepsis | Other | Number | Rate per 1000 total births |
| 1937 | 89,360 | 1,530 | 17.1 | 61 | 38.3 | 935 | 10.5 | 33 | 24 | 57 | 37 | — | 6 | 6 | 3.77 |
| 1938 | 90,840 | 1,567 | 17.3 | 49 | 30.3 | 872 | 9.6 | 45 | 25 | 70 | 44 | 2 | 4 | 6 | 3.71 |
| 1939 | 94,110 | 1,528 | 16.5 | 61 | 38.4 | 945 | 10.0 | 34 | 23 | 57 | 37 | 1 | 3 | 4 | 2.51 |
| 1940 | 99,440 | 1,543 | 15.0 | 35 | 21.3 | 1,128 | 11.3 | 40 | 42 | 82 | 53 | — | 2 | 2 | 1.21 |
| 1941 | 103,990 | 1,440 | 13.9 | 47 | 31.6 | 1,036 | 10.0 | 38 | 36 | 74 | 49 | — | 2 | 2 | 1.29 |
| 1942 | 101,600 | 1,820 | 18.0 | 69 | 36.5 | 998 | 9.8 | 42 | 39 | 81 | 44 | — | 1 | 1 | 0.52 |
| 1943 | 98,950 | 1,902 | 19.2 | 60 | 30.6 | 994 | 10.0 | 41 | 39 | 80 | 42 | 2 | 5 | 7 | 3.56 |
| 1944 | 100,640 | 2,282 | 22.7 | 58 | 24.8 | 1,040 | 10.3 | 40 | 43 | 83 | 36 | — | 3 | 3 | 1.3 |
| 1945 | 100,600 | 1,905 | 18.9 | 52 | 26.6 | 960 | 9.5 | 34 | 28 | 62 | 33 | 1 | 2 | 3 | 1.5 |
| 1946 | 105,220 | 2,096 | 19.9 | 71 | 32.8 | 1,019 | 9.6 | 51 | 20 | 71 | 34 | 2 | 1 | 3 | 1.4 |
| 1947 | 108,940 | 2,321 | 21.3 | 50 | 21.1 | 1,027 | 9.4 | 47 | 37 | 84 | 36 | 1 | 1 | 2 | 0.88 |

TABLE 3. DEATHS OF LUTON RESIDENTS DURING THE YEAR 1947

| CAUSE OF DEATH | All Ages | Under 4 weeks | 1 month to 1 year | Total under 1 year | 1-5 | 5-10 | 10-15 | 15-25 | 25-35 | 35-45 | 45-55 | 55-65 | 65-75 | 75+ |
|--|-------------|---------------------|----------------------------|--------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1. Typhoid and Paratyphoid Fever | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2. Cerebro-spinal Fever ... | 1 | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — |
| 3. Scarlet Fever ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4. Whooping Cough ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 5. Diphtheria ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6. Tuberculosis of Respiratory System ... | 46 | — | — | — | — | 1 | 1 | 6 | 13 | 11 | 6 | 3 | 3 | 2 |
| 7. Other forms of Tuberculosis ... | 12 | — | 1 | 1 | 3 | 2 | — | 2 | — | 1 | — | 1 | 1 | 1 |
| 8. Syphilitic Disease ... | 6 | — | — | — | — | — | — | — | — | 2 | — | — | 2 | 2 |
| 9. Influenza ... | 7 | — | — | — | — | — | — | — | — | 1 | — | 2 | 2 | 1 |
| 10. Measles ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 11. Acute Poliomyelitis and Polio- encephalitis ... | 7 | — | — | — | 1 | 1 | 1 | 1 | 2 | 1 | — | — | — | — |
| 12. Acute Infectious Encephalitis ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 13M. Cancer of Buccal Cavity and Oesophagus ... | 4 | — | — | — | — | — | — | — | — | — | 1 | — | 2 | 1 |
| 13F. Cancer of Uterus ... | 14 | — | — | — | — | — | — | — | — | 2 | 4 | 2 | 3 | 3 |
| 14. Cancer of Stomach and Duodenum | 15 | — | — | — | — | — | — | — | — | 1 | 1 | 5 | 5 | 3 |
| 15. Cancer of Breast ... | 16 | — | — | — | — | — | — | — | — | — | 4 | 1 | 8 | 3 |
| 16. Cancer of all other sites | 91 | — | — | — | — | — | — | — | 3 | 6 | 13 | 24 | 24 | 21 |
| 17. Diabetes ... | 9 | — | — | — | — | — | — | — | — | — | — | 4 | 4 | 1 |
| 18. Intra-cranial Vascular Lesions ... | 134 | — | — | — | — | — | — | — | 1 | — | — | 4 | 4 | 1 |
| 19. Heart Disease ... | 277 | — | — | — | — | — | 3 | 3 | 1 | 8 | 6 | 24 | 37 | 65 |
| 20. Other Diseases of the Circulatory System ... | 16 | — | — | — | — | — | — | — | 1 | 1 | 14 | 45 | 81 | 125 |
| Carried forward | 655 | — | 2 | 2 | 4 | 4 | 2 | 12 | 21 | 33 | 53 | 112 | 180 | 232 |

14

32

2.3

DEATHS OF LUTON RESIDENTS DURING THE YEAR 1947 (continued)

| CAUSE OF DEATH | All Ages | Under 4 weeks | 1 month to 1 year | Total under 1 year | 1-5 | 5-10 | 10-15 | 15-25 | 25-35 | 35-45 | 45-55 | 55-65 | 65-75 | 75+ |
|---|----------|---------------|-------------------|--------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|
| Brought forward ... | 655 | — | 2 | 2 | 4 | 4 | 2 | 12 | 21 | 33 | 53 | 112 | 180 | 232 |
| 21. Bronchitis ... | 45 | — | — | — | — | — | — | — | — | 1 | 3 | 6 | 13 | 22 |
| 22. Pneumonia ... | 54 | 4 | 16 | 20 | 5 | — | — | 1 | 1 | 3 | 2 | 6 | 7 | 9 |
| 23. Other Respiratory Diseases ... | 16 | — | — | — | — | — | — | — | — | 2 | 3 | 4 | 5 | 2 |
| 24. Ulceration of the Stomach or Duodenum ... | 10 | — | — | — | — | — | — | — | — | 3 | 2 | — | 2 | 3 |
| 25. Diarrhoea (under 2 years) ... | 7 | — | 6 | 6 | 1 | — | — | — | — | — | — | — | — | — |
| 26. Appendicitis ... | 4 | — | — | — | — | 1 | — | — | 1 | 1 | — | — | 1 | — |
| 27. Other Digestive Diseases ... | 29 | — | — | — | — | — | 1 | — | — | 2 | 5 | 9 | 5 | 7 |
| 28. Nephritis ... | 23 | — | — | — | — | — | — | — | — | 3 | 2 | 5 | 5 | 6 |
| 29. Puerperal and Post Abortive Sepsis ... | 1 | — | — | — | — | — | — | — | — | 1 | — | — | — | — |
| 30. Other Maternal Causes ... | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — |
| 31. Premature Birth ... | 24 | 24 | — | 24 | — | — | — | — | — | — | — | — | — | — |
| 32. Congenital Malformations, Birth Injury, Infantile Disease ... | 30 | 19 | 9 | 28 | 1 | — | — | — | — | 1 | — | — | — | — |
| 33. Suicide ... | 9 | — | — | — | — | — | — | — | 1 | — | 1 | 2 | 2 | 3 |
| 34. Road Traffic Accidents ... | 9 | — | — | — | 1 | — | — | 2 | — | 1 | — | — | 3 | 2 |
| 35. Other Violent Causes ... | 16 | — | 2 | 2 | 1 | — | 1 | 1 | 2 | 1 | — | 1 | 2 | 5 |
| 36. All Other Causes ... | 94 | — | 2 | 2 | — | — | — | 2 | 1 | 3 | 5 | 4 | 14 | 63 |
| Totals ... | 1027 | 47 | 37 | 84 | 13 | 5 | 4 | 19 | 29 | 55 | 76 | 149 | 239 | 354 |

TABLE 4
NOTIFIED INFECTIOUS DISEASES, 1947 Civilian (Corrected in cases of revised diagnosis)

| | Under 1 year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-35 | 35-45 | 45-65 | Over 65 | TOTAL |
|------------------------|-----------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|------------|-------|
| Scarlet Fever | — | 4 | 3 | 8 | 9 | 76 | 56 | 11 | — | 5 | 6 | — | — | 178 |
| Diphtheria | — | — | 1 | — | 1 | 2 | — | — | — | 1 | — | — | — | 5 |
| Whooping Cough | 9 | 14 | 12 | 23 | 18 | 22 | 1 | — | 1 | — | — | — | — | 100 |
| Measles | 12 | 50 | 75 | 88 | 73 | 161 | 5 | 3 | 3 | 1 | — | — | — | 471 |
| Pneumonia | 1 | 1 | 1 | 2 | — | 6 | 2 | 2 | — | 3 | 9 | 11 | 6 | 44 |
| Anterior Poliomyelitis | 5 | 2 | 3 | 5 | 3 | 5 | 2 | 2 | 2 | 2 | 6 | — | — | 37 |
| Paratyphoid Fever | — | — | — | — | 1 | 1 | — | — | — | — | — | — | — | 1 |
| Polioencephalitis | — | — | 1 | — | 1 | 4 | 3 | 1 | — | — | — | — | — | 10 |
| Dysentery | 2 | 1 | 2 | — | — | 1 | — | — | — | 1 | — | — | 1 | 8 |
| Ophthalmia Neonatorum | 1 | — | — | — | — | — | — | — | — | — | — | — | — | 1 |
| Puerperal Pyrexia | — | — | — | — | — | — | — | 2 | 10 | 13 | 1 | — | — | 26 |
| Cerebro Spinal Fever | 1 | — | — | — | — | 2 | 1 | — | — | 1 | 2 | 1 | — | 8 |
| Erysipelas | — | — | — | — | 1 | — | — | — | — | 1 | 1 | 2 | 2 | 7 |
| Jaundice | — | — | — | — | — | 2 | 1 | — | 2 | 1 | 2 | 1 | 3 | 12 |
| Totals | 31 | 72 | 98 | 126 | 106 | 282 | 71 | 21 | 18 | 29 | 27 | 15 | 12 | 908 |

DIPHTHERIA IMMUNISATION

Number of children immunised under the Council's scheme, 1943-47

| | | | | <i>Under</i> 5 years | <i>Over</i> 5 years | <i>Total</i> |
|------|-----|-----|-----|-------------------------|------------------------|--------------|
| 1943 | ... | ... | ... | 1,659 | 1,938 | 3,597 |
| 1944 | ... | ... | ... | 1,037 | 97 | 1,134 |
| 1945 | ... | ... | ... | 1,225 | 189 | 1,414 |
| 1946 | ... | ... | ... | 1,191 | 105 | 1,296 |
| 1947 | ... | ... | ... | 1,246 | 129 | 1,375 |

TABLE 5

Number of Children who had completed a full course of Immunisation at any time up to 31st December, 1947.
(According to Health Department Records)

| Age at 31.12.47 | Under 1 year | 1 year | 2 years | 3 years | 4 years | 5 to 9 years | 10 to 14 years | Total under 15 |
|--|-----------------|--------|---------|---------|---------|-----------------|-------------------|-------------------|
| Number Immunised | 0 | 1,152 | 1,105 | 1,205 | 914 | 5,248 | 5,409 | 15,033 |
| Estimated mid-year population, 1947 | 10,410 | | | | | 14,483 | | 24,893 |

| | <i>Under</i> 5 years | <i>Between 5</i> <i>and 15 years</i> |
|--|-------------------------|---|
| Estimated percentage of the child population immunised at 31st December, 1947 ... | 42% | 73% |
| (a) Number of cases of diphtheria in children under 15 years of age notified during the year | | 4 |
| (b) Number of cases included in (a) in which the child is known to have completed the course of immunisation not less than 12 weeks before the onset of the disease | | 2 |
| (c) Number of deaths from diphtheria registered in the Authority's area during the year, of children under 15 years of age ... | | 0 |
| (d) Number of deaths included in (c) in which the child is known to have completed the course of immunisation not less than 12 weeks before the onset of the disease ... | | 0 |

OPHTHALMIA NEONATORUM

| | |
|--|-----|
| (a) Number of cases notified during the year | 1 |
| (b) Number of cases visited by officers of the Council | 1 |
| (c) Number of cases removed to hospital | Nil |
| (d) Number of cases for whom home nursing was provided by the Council | 1 |
| (e) Number of cases in which vision was impaired | Nil |

DIPHTHERIA IMMUNISATION.

DEATHS FROM DIPHTHERIA ARE SHOWN IN BRACKETS ON GRAPH.
PERCENTAGE OF IMMUNISED POPULATION 0-15 YEARS IN BRACKETS
AT FOOT OF GRAPH.

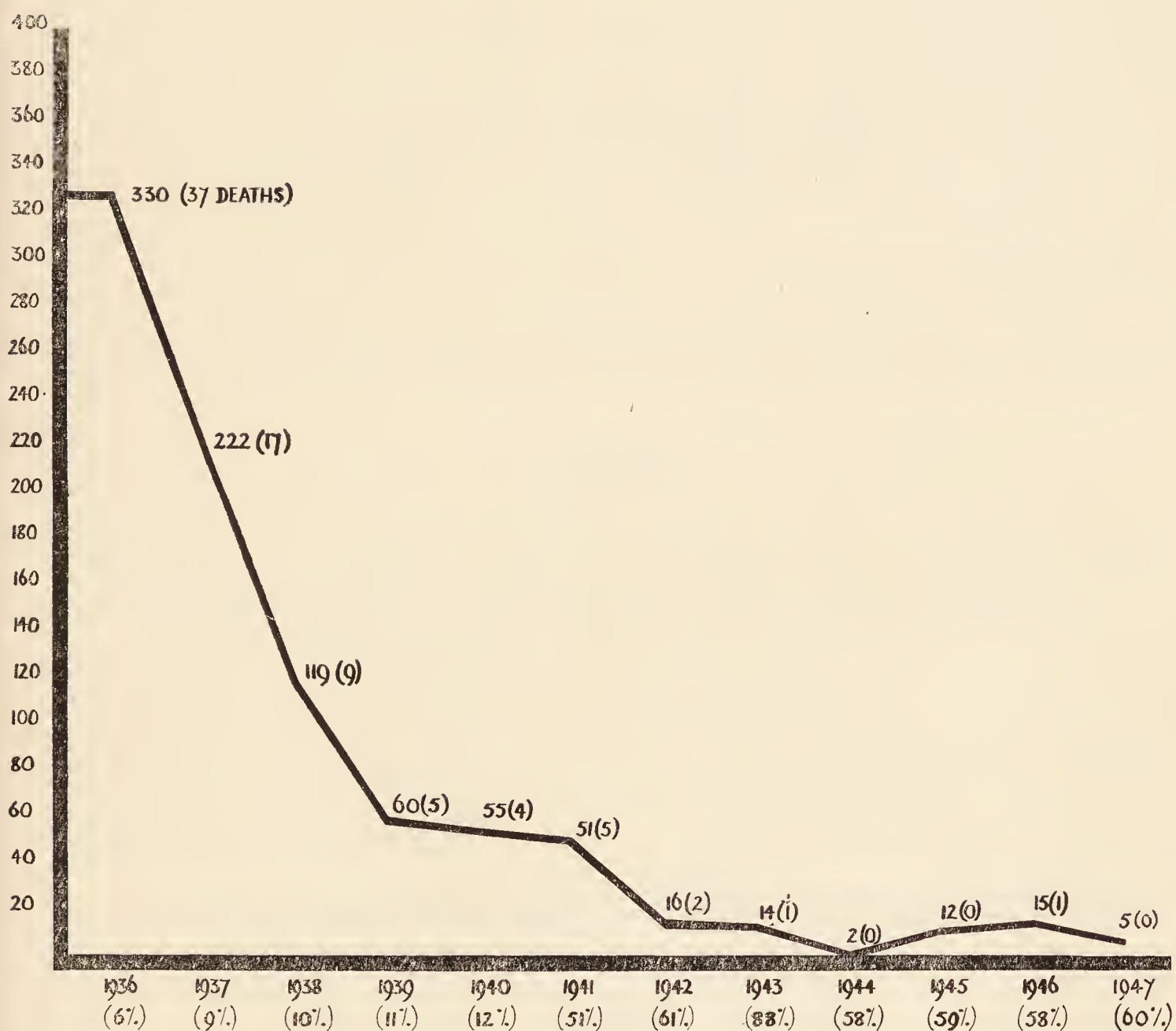


TABLE 6

PARTICULARS OF NEW CASES OF TUBERCULOSIS AND ALL DEATHS FROM THE DISEASE DURING 1947

| Age Periods | New Cases | | | | Deaths | | | |
|--------------|-----------|----|---------------|----|-----------|----|---------------|----|
| | Pulmonary | | Non-Pulmonary | | Pulmonary | | Non-Pulmonary | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| Under 1 year | — | — | — | 1 | — | — | 1 | 1 |
| 1 " | 1 | 4 | — | 3 | — | — | — | 2 |
| 5 " | 1 | 1 | 1 | 3 | — | 1 | — | 2 |
| 10 " | 1 | 3 | 1 | 2 | 1 | — | — | — |
| 15 " | 9 | 8 | 2 | 3 | 1 | 5 | 2 | — |
| 20 " | 10 | 13 | 1 | 1 | — | — | — | — |
| 25 " | 22 | 18 | 2 | — | 5 | 8 | — | — |
| 35 " | 14 | 8 | 1 | 1 | 6 | 5 | 1 | — |
| 45 " | 14 | 3 | — | — | 4 | 2 | — | — |
| 55 " | 7 | 3 | 1 | 1 | 2 | 1 | 1 | — |
| 65+ | 4 | 3 | — | — | 2 | 3 | 2 | — |
| Age unknown | — | 1 | — | — | — | — | — | — |
| Totals ... | 83 | 65 | 9 | 15 | 21 | 25 | 7 | 5 |

TABLE 7

DISTRIBUTION OF NOTIFIED TOTAL BIRTHS AS BETWEEN INSTITUTIONAL AND DOMICILIARY CONFINEMENT

Uncorrected for Outward Transfers

| Year | Institutional | | | | | Domiciliary | | | | Grand Total |
|------|---------------|----------|--------|-------------------|-------|-------------|-------------|---------------|-------|-------------|
| | B.M.H. | Em. Unit | P.A.I. | Private Nsg. Home | Total | Mun. M/W | Notified by | | Total | |
| | | | | | | | Private M/W | Dr. & Parents | | |
| 1937 | 445 | — | 19 | 169 | 633 | 124 | 527 | 390 | 1,041 | 1,674 |
| 1938 | 540 | — | 26 | 172 | 738 | 477 | 271 | 210 | 958 | 1,696 |
| 1939 | 568 | 84 | 38 | 166 | 856 | 583 | 131 | 109 | 823 | 1,679 |
| 1940 | 588 | 175 | 21 | 194 | 978 | 674 | — | 106 | 780 | 1,758 |
| 1941 | 583 | 504 | 46 | 216 | 1,349 | 463 | — | 162 | 625 | 1,974 |
| 1942 | 576 | 681 | 58 | 329 | 1,644 | 508 | 3 | 196 | 707 | 2,351 |
| 1943 | 533 | 535 | 115 | 467 | 1,650 | 451 | 1 | 224 | 676 | 2,326 |
| 1944 | 631 | 609 | 190 | 508 | 2,028 | 534 | 39 | 156 | 729 | 2,757 |
| 1945 | 610 | 621 | 114 | 476 | 1,821 | 407 | 50 | 62 | 519 | 2,340 |
| 1946 | 667 | 678 | 215 | 582 | 2,142 | 397 | — | 95 | 492 | 2,634 |
| 1947 | 667 | 616 | 329 | 572 | 2,184 | 571 | — | 79 | 650 | 2,834 |

TABLE 8.
STILLBIRTHS.‡

| Cause | B.M.H. | Em. Unit | L. & D.H. | St. Mary's Hosp. | Doctor | Midwife | Nursing Home | Total |
|---------------------------------|--------|-------------|--------------|------------------------|--------|---------|-----------------|-------|
| Maternal Toxæmia | 6 | 4 | — | — | — | — | — | 10 |
| Chronic Maternal Disease ... | — | — | — | — | — | — | — | — |
| Foetal malforma- tion ... | 1 | 3 | — | 1 | 1 | — | 1 | 7 |
| Prematurity ... | 1 | — | — | — | 1 | 2* | 1 | 5 |
| Complications of labour ... | 8 | 2 | 1 | 3 | 1 | 6 | 1 | 22 |
| Other ... | 6 | 1 | — | 3† | 1 | 6 | 1 | 18 |
| Total ... | 22 | 10 | 1 | 7 | 4 | 14 | 4 | 62 |

‡ Excluding outcome of multiple pregnancies.

* 2 Macerated.

† 1 Macerated.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1 (A). BACTERIOLOGICAL AND SANITARY WORK (Medical Research Council Laboratory) 1947

| | | | | |
|-----------------------|-----|-----|-----|--------|
| Nose and Throat Swabs | ... | ... | ... | 8,697 |
| Faeces and Urine | ... | ... | ... | 2,164 |
| Sputum | ... | ... | ... | 184 |
| Water | ... | ... | ... | 318 |
| Milk | ... | ... | ... | 488 |
| Ice-cream | ... | ... | ... | 102 |
| Miscellaneous | ... | ... | ... | 1,785 |
| Total | | | | 13,738 |

1 (B). PROFESSIONAL NURSING IN THE HOME

No change.

1 (C). CLINICS AND TREATMENT CENTRES

An additional Infant Welfare Centre was opened for weekly sessions on Monday afternoons at the Leagrave Methodist Chapel Hall on 15th September, 1947.

The Stopsley Infant Welfare Centre was transferred to the Stopsley Nursery premises on 22nd September, 1947.

The central consultative clinic for infants was discontinued in July and the medical staff resumed the practice of regular attendance at infant welfare centres.

The Bury Park Cleansing Station closed down in February, 1947, when the premises were derequisitioned.

TABLE 9.

NUMBER OF ATTENDANCES AT ANTE-NATAL CLINICS
DURING THE YEAR 1947.

| 1947 | Maternity Hospital | | Beechwood Health Centre | | Total Att'ces | Post- Natal Clinic Total Attends | School for Mothers Total Attends |
|---------------|-----------------------|------------------|----------------------------|------------------|------------------|--|--|
| | First Attends | Subs. Attends | First Attends | Subs. Attends | | | |
| January ... | 5 | 416 | 178 | 758 | 1,357 | 48 | 47 |
| February ... | 5 | 329 | 106 | 645 | 1,085 | 53 | 28 |
| March ... | 4 | 298 | 145 | 741 | 1,188 | 60 | 7 |
| April ... | 5 | 341 | 121 | 684 | 1,151 | 95 | 21 |
| May ... | 2 | 366 | 108 | 679 | 1,155 | 60 | 35 |
| June ... | 2 | 301 | 121 | 713 | 1,137 | 67 | 33 |
| July ... | 3 | 316 | 108 | 704 | 1,131 | 78 | 24 |
| August ... | 2 | 316 | 131 | 579 | 1,028 | 74 | 26 |
| September ... | 36 | 233 | 134 | 712 | 1,115 | 71 | 39 |
| October ... | 2 | 315 | 152 | 725 | 1,194 | 46 | 57 |
| November ... | 3 | 272 | 101 | 657 | 1,033 | 51 | 40 |
| December ... | 1 | 232 | 113 | 671 | 1,017 | 66 | 14 |
| Totals ... | 70 | 3,735 | 1,518 | 8,268 | 1,3591 | 769 | 371 |

TABLE 10.

ATTENDANCES AT ANTE-NATAL CLINICS, 1937—1947.

| | | | | | First Attendances | Subsequent Attendances | Total Attendances |
|----------|-----|-----|-----|-----|----------------------|---------------------------|----------------------|
| 1937 ... | ... | ... | ... | ... | 927 | 3,264 | 4,191 |
| 1938 ... | ... | ... | ... | ... | 1,018 | 3,686 | 4,704 |
| 1939 ... | ... | ... | ... | ... | 1,616 | 3,967 | 4,960 |
| 1940 ... | ... | ... | ... | ... | 1,630* | 6,782* | 8,412* |
| | | | | | 695 | 2,025 | 2,720 |
| 1941 ... | ... | ... | ... | ... | 2,022* | 8,416* | 10,438* |
| | | | | | 587 | 1,788 | 2,375 |
| 1942 ... | ... | ... | ... | ... | 2,136* | 12,729* | 14,865* |
| | | | | | 652 | 3,022 | 3,674 |
| 1943 ... | ... | ... | ... | ... | 2,038* | 13,470* | 15,508* |
| | | | | | 611 | 2,855 | 3,466 |
| 1944 ... | ... | ... | ... | ... | 2,170* | 15,092* | 17,362* |
| | | | | | 535 | 2,020 | 2,555 |
| 1945 ... | ... | ... | ... | ... | 1,918* | 12,930* | 14,848* |
| | | | | | 420 | 1,485 | 1,905 |
| 1946 ... | ... | ... | ... | ... | 2,585* | 14,638* | 17,223* |
| | | | | | 526 | 1,477 | 2,003 |
| 1947 ... | ... | ... | ... | ... | 2,150* | 13,784* | 15,934* |
| | | | | | 562 | 1,781 | 2,343 |

* Includes Municipal Midwives' figures shown immediately below

TABLE 11.

NUMBER OF CONSULTATIONS, WEIGHINGS, ETC., AT INFANT WELFARE CENTRES, DURING THE YEARS 1942—1947.

| | | | First Attendances | | No. on Register at end of year | Infants weighed |
|------|-----|-----|-------------------|-----------|--------------------------------|-----------------|
| | | | Under 1 year | 1-5 years | | |
| 1942 | ... | ... | 1,449 | 209 | 3,865 | 21,124 |
| 1943 | ... | ... | 1,508 | 132 | 3,829 | 28,262 |
| 1944 | ... | ... | 2,199 | 262 | 3,996 | 33,223 |
| 1945 | ... | ... | 1,645 | 128 | 3,585 | 30,364 |
| 1946 | ... | ... | 1,789 | 248 | 3,695 | 30,427 |
| 1947 | ... | ... | 1,975 | 128 | 4,277 | 29,409 |

Infants requiring supervised treatment who attended at the above centres were referred to the Dallow Road Minor Ailments Clinic; 1,464 attendances were made for treatment purposes.

INSTITUTE OF RAY THERAPY.

51 Cases were treated at the Institute on behalf of the Local Authority.
Lump sum payment £50.

DENTAL CLINIC.

Adults—

| | | | | | | | |
|--|-----|-----|-----|-----|-----|---------------|-----|
| No. of sessions | ... | ... | ... | ... | ... | ... | 80 |
| No. of patients referred | ... | ... | ... | ... | ... | ... | 142 |
| No. of patients who attended | ... | ... | ... | ... | ... | ... | 126 |
| No. of attendances made | ... | ... | ... | ... | ... | ... | 429 |
| No. of cases in which dentures were supplied | ... | ... | ... | ... | ... | ... | 28 |
| Cost of dentures | ... | ... | ... | ... | ... | £145 16s. 3d. | |
| Amount recoverable from patients | ... | ... | ... | ... | ... | £145 8s. 9d. | |

Children—

| | | | | | | | |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|
| No. of patients referred | ... | ... | ... | ... | ... | ... | 126 |
| No. of patients who attended | ... | ... | ... | ... | ... | ... | 165 |
| No. of attendances made | ... | ... | ... | ... | ... | ... | 291 |

NATIONAL SOCIETY FOR THE PREVENTION OF CRUELTY TO CHILDREN.

During the year 1947 the Inspectors were responsible for dealing with 22 cases on behalf of the Department.

TABLE 12.

HOME VISITS BY HEALTH VISITORS.

| | Children under 1 year | | Children 1-5 years | | Expectant Mothers | | Special Visits | Infant Life Pro- tection | Total Visits |
|----------|--------------------------|---------------|-----------------------|---------------|----------------------|---------------|-------------------------------------|-----------------------------------|-----------------|
| | First Visits | Re- Visits | First Visits | Re- Visits | First Visits | Re- Visits | Infect- ious Disease, etc. | | |
| 1940 ... | 1,679 | 3,993 | 239 | 8,099 | — | 325 | 6,376 | 205 | 20,196 |
| 1941 ... | 1,963 | 5,008 | 112 | 8,583 | — | 219 | 5,422 | 131 | 21,438 |
| 1942 ... | 2,203 | 5,698 | 273 | 7,765 | — | 56 | 8,665 | 65 | 24,725 |
| 1943 ... | 1,986 | 8,594 | 45 | 8,603 | — | 238 | 4,997 | 203 | 24,666 |
| 1944 ... | 2,760 | 7,981 | 173 | 7,451 | — | 171 | 3,980 | 288 | 22,804 |
| 1945 ... | 2,608 | 6,233 | 183 | 8,399 | — | 66 | 3,417 | 489 | 21,395 |
| 1946 ... | 2,394 | 4,948 | 181 | 7,744 | 60 | 19 | 4,352 | 250 | 19,948 |
| 1947 ... | 2,832 | 4,194 | 359 | 7,072 | 68 | — | 4,439 | 119 | 19,083 |

CLEANSING OF PERSONS

| | |
|---|-------|
| Total attendances at cleansing station and central clinic ... | 1,229 |
| Number of heads cleansed | 947 |
| Number of individual cases of scabies treated during the year ... | 157 |

PUBLIC HEALTH ACT, 1936, PART VII.
CHILD LIFE PROTECTION.

| | |
|---|-----|
| Number of persons who were receiving children for reward at the end of the year | 12 |
| Number of children : | |
| (a) At the end of the year | 12 |
| (b) Who died during the year | — |
| (c) On whom inquests were held during the year | — |
| Number of child protection visitors at the end of the year who were : | |
| (a) Health visitors... .. | 1 |
| (b) Female, other than health visitors | — |
| (c) Male | 2 |
| Number of other authorised visitors | Nil |
| Proceedings taken during the year | Nil |

ADMINISTRATION OF THE MIDWIVES' ACTS.

Distribution of Midwives, 31st December, 1947.

| | |
|---|----|
| (a) Private Practice (Independent) | 1 |
| (b) Municipal Midwives | 8 |
| (c) In Private Nursing Homes | 6 |
| (d) Public Assistance Institution | 10 |
| (e) Borough Maternity Hospital | 18 |

TABLE 13.

NOTIFICATIONS RECEIVED FROM MIDWIVES.

| | Nursing Homes | Muni- cipal Mdwves. | P.A.I. | Mat. Hosp. & Ext. | Inde- pendent Practice | Total |
|---|------------------|---------------------------|--------|-------------------------|------------------------------|-------|
| (a) Intention to practise ... | 6 | 10 | 10 | 18 | 1 | 45 |
| (b) Intention to cease prac- tise | — | — | — | — | — | — |
| (c) Change of address ... | — | — | — | — | — | — |
| (d) Change of name ... | — | — | — | — | — | — |
| (e) Sending for medical help | — | 111 | — | — | — | 111 |
| (f) Stillbirths occurring in practice | — | 10 | — | — | — | 10 |
| (g) Deaths occurring in practice— | | | | | | |
| (i) Mothers | — | — | — | — | — | — |
| (ii) Infants | 1 | 2 | — | — | — | 3 |
| (h) Laying out the dead ... | — | 8 | — | — | — | 8 |
| (i) Liability to be a source of infection | 1 | — | — | — | — | 1 |
| (j) Substitution of artificial feeding | 2 | 15 | — | — | — | 17 |

Supervisor of Midwives.

| | |
|--|-----|
| Routine inspection visits | — |
| " " " (Midwife out) | — |
| Special enquiry visits in respect of notifications : | |
| (a) Medical help | 102 |
| (b) Stillbirths | 19 |
| (c) Deaths occurring in practice | — |
| (d) Ophthalmia Neonatorum ... | 1 |
| (e) Laying out the dead ... | — |
| (f) To supervise disinfection ... | — |

Other visits :

| | |
|---|-------|
| Puerperal Pyrexia | 7 |
| Home helps | 116 |
| Nursing mothers | 146 |
| Labour visits | 4 |
| Nursing Homes | 41 |
| Administration of Gas and Air Analgesia ... | — |
| Ante-Natal and Post-Natal | 99 |
| Administration | 676 |
| Total | 1,211 |
| Ante-Natal Clinics attended | 146 |

Medical Aid.

During the year medical aid was sought in 111 of the midwives' cases.

During this period 89 accounts amounting to £137 18s. 6d. were received from medical practitioners for services rendered in response to requests for medical help from midwives, and the sum of £116 15s. 5d. is recoverable from patients.

TABLE 14.
NUMBER OF CASES ATTENDED BY MIDWIVES.

| District Number | Acting as Midwife | Acting as Maternity Nurse | Total |
|-----------------|-------------------|---------------------------|-------|
| 1 | 57 | 29 | 86 |
| 2 | — | — | — |
| 3 | 47 | 22 | 69 |
| 4 | 59 | 23 | 82 |
| 5 | 51 | 33 | 84 |
| 6 | 26 | 49 | 75 |
| 7 | 49 | 35 | 84 |
| 8 | 21 | 8 | 29 |
| 9 | 28 | 31 | 59 |
| Total | 338 | 230 | 568 |

TABLE 15.
NUMBER OF VISITS PAID BY MIDWIVES.

| District Number | Expectant Mothers | Nursing Mothers | Post-Natal | Total |
|-----------------|-------------------|-----------------|------------|--------|
| 1 | 694 | 2,086 | 219 | 2,999 |
| 2 | — | — | — | — |
| 3 | 615 | 1,922 | 210 | 2,747 |
| 4 | 668 | 1,717 | 268 | 2,653 |
| 5 | 488 | 1,443 | 176 | 2,107 |
| 6 | 375 | 1,521 | 151 | 2,047 |
| 7 | 734 | 1,718 | 135 | 2,587 |
| 8 | 274 | 611 | 66 | 951 |
| 9 | 156 | 1,128 | 98 | 1,382 |
| Total ... | 4,004 | 12,146 | 1,323 | 17,473 |

TABLE 16. NUMBER OF PATIENTS ATTENDING
MIDWIVES' ANTE-NATAL CLINICS.

| District Number | No. of Clinics | No. of First Attendances | Subsequent Attendances | Total |
|-----------------|----------------|--------------------------|------------------------|-------|
| 1 | 25 | 92 | 307 | 399 |
| 2 | — | — | — | — |
| 3 | 24 | 64 | 228 | 292 |
| 4 | 23 | 92 | 352 | 444 |
| 5 | 22 | 57 | 181 | 238 |
| 6 | 22 | 50 | 177 | 227 |
| 7 | 23 | 95 | 204 | 299 |
| 8 | 12 | 21 | 80 | 101 |
| 9 | 23 | 91 | 252 | 343 |
| Total ... | 174 | 562 | 1,781 | 2,343 |

TABLE 17.
NUMBER OF PATIENTS ATTENDING CONSULTANT CLINICS.

| District Number | No. of Clinics Attended | Attendances of Patients | | Total |
|-----------------|-------------------------|-------------------------|------------|-------|
| | | Ante-natal | Post-natal | |
| 1 | 31 | 138 | 31 | 169 |
| 2 | — | — | — | — |
| 3 | 22 | 134 | 11 | 145 |
| 4 | 22 | 109 | 14 | 123 |
| 5 | 22 | 67 | 11 | 78 |
| 6 | 19 | 23 | 4 | 27 |
| 7 | 25 | 91 | 18 | 109 |
| 8 | 13 | 32 | 5 | 37 |
| 9 | 8 | 46 | — | 46 |
| Total ... | 162 | 640 | 94 | 734 |

TABLE 18.

LEGITIMATE LIVE BIRTHS OCCURRING IN THE MUNICIPAL
MIDWIFERY SERVICE DURING 1947.

(excluding multiple births)

The number of previous pregnancies (irrespective of outcome) being :

| Age of Mother at Maternity | Pregnancy Order (including present pregnancy) | | | | | | | | | Total |
|----------------------------------|---|-----|-----|----|----|----|----|----|----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9+ | |
| Years | | | | | | | | | | |
| 15-20 | 16 | — | — | — | — | — | — | — | — | 16 |
| 20-25 | 50 | 28 | 13 | 3 | 1 | — | — | — | — | 95 |
| 25-30 | 27 | 49 | 40 | 18 | 4 | 2 | 1 | 1 | 1 | 143 |
| 30-35 | 5 | 32 | 47 | 27 | 9 | 10 | 3 | 3 | — | 136 |
| 35-40 | 5 | 25 | 18 | 10 | 5 | 11 | 5 | 5 | 3 | 87 |
| 40-45 | 1 | 3 | 6 | 2 | 6 | 5 | — | 3 | 7 | 33 |
| 45+ | — | — | — | — | — | — | 1 | — | 1 | 2 |
| All Ages | 104 | 137 | 124 | 60 | 25 | 28 | 10 | 12 | 12 | 512 |

Multiple births ... 4 Illegitimate births 37
 *Stillbirths ... 14
 * 1 pair also illegitimate.

TABLE 19.

NURSING HOMES REGISTRATION, Public Health Act, 1936.

| Name of Nursing Home | Date of Registra- tion with Luton Borough Council | DIVISION OF BEDS | | | |
|-------------------------|---|------------------|----------|---------|-------|
| | | Maternity | Surgical | Medical | Total |
| Westdale | 1.7.36 formerly with Beds. C.C. | 5 | — | — | 5 |
| Strathallan | 3.10.47 | — | — | 5 | 5 |
| The Mount | 5.6.45 | 12 | — | — | 12 |
| The Chase | 3.4.46 | 10 | — | — | 10 |
| TOTALS | | 27 | — | 5 | 32 |

During the year 61 women were delivered in the Westdale Nursing Home, 39 in the Haven Nursing Home, 211 in the Mount Nursing Home, and 214 in the Chase Nursing Home.

Mrs. Blanche Gighall, S.R.N., S.C.M., 18 Conway Road, was granted a certificate in respect of the "Strathallan Nursing Home," 18 Conway Road, on 3rd October, 1947.

The keeper of the "Haven Nursing Home" retired on the 10th June, 1947, and the premises are no longer used as a Nursing Home.

BOROUGH MATERNITY HOSPITAL.
Clinical and Administrative Statistics.

| | <i>Borough Maternity Hospital.</i> | <i>Extension</i> | <i>Total.</i> |
|--|--|------------------|---------------|
| No. of patients in hospital—1.1.47 ... | 23 | 25 | 48 |
| No. of patients admitted during the year | 749 | 690 | 1,439 |
| No. of patients discharged during the year | 744 | 696 | 1,440 |
| No. of patients in hospital—31.12.47 ... | 26 | 19 | 45 |
| No. of patients died during the year ... | 2 | — | 2 |
| Admissions : | | | |
| No. of patients admitted for confinement— | | | |
| Borough | 551 | 598 | 1,149 |
| Other | 103 | 16 | 119 |
| No. of patients admitted for ante-natal or post-natal treatment— | | | |
| Borough | 70 | 73 | 143 |
| Others | 25 | 3 | 28 |
| | 749 | 690 | 1,439 |
| No. of patient days* : | | | |
| (a) Ante-natal or post-natal treatment | 827 | 716 | 1,543 |
| (b) Confinements... .. | 9,886 | 8,567 | 18,453 |
| (c) Total | 10,713 | 9,283 | 19,996 |
| Average duration of stay of women delivered in hospital | | | |
| Daily average for the year | 15.2 days | 13.9 days | 42 |
| Maximum number of patients on any one day | 22 | 20 | 59 |
| day | 29 | 30 | 59 |
| Number of patients delivered by : | | | |
| (a) Midwives | 564 | 544 | 1,108 |
| (b) Doctors | 87 | 72 | 159 |
| Operations performed : | | | |
| Forceps delivery | 40 | 36 | 76 |
| Caesarean Section | 5 | — | 5 |
| Caesarean Section and sterilisation | 3 | — | 3 |
| Hysterotomy and sterilisation | — | — | — |
| Ruptured membranes for induction of labour | 9 | 5 | 14 |
| Manual removal of placenta | 2 | 7 | 9 |
| Perineal suture | 127 | 117 | 244 |
| Episiotomy | 7 | 23 | 30 |
| Other operations | 2 | — | 2 |
| Forceps rate... .. | 5.9% | 5.8% | |
| No. of deliveries | 667 | 616 | 1,283 |

*Includes patient-days at Chaul End Nursery Building.

| | | | | <i>Borough Maternity Hospital</i> | <i>Extension</i> | <i>Total</i> |
|---|-----|-----|-----|---|------------------|--------------|
| No. of viable children born | ... | ... | ... | 642 | 605 | 1,247 |
| No. of stillbirths | ... | ... | ... | 25 | 11 | 36 |
| No. of infantile deaths | ... | ... | ... | 11 | 10 | 21 |
| Miscarriages | ... | ... | ... | 8 | 6 | 14 |
| Causes of infantile death : | | | | | | |
| Birth injury with shock or asphyxia | ... | ... | ... | — | 1 | 1 |
| Congenital heart disease, Spina Bifida, Anencephalus, etc. | ... | ... | ... | 1 | 2 | 3 |
| Hydrocephalus | ... | ... | ... | — | — | — |
| Cleft palate : debility | ... | ... | ... | — | — | — |
| White asphyxia | ... | ... | ... | — | — | — |
| Enteritis | ... | ... | ... | — | — | — |
| Icterus Neonatorum | ... | ... | ... | — | — | — |
| Broncho-pneumonia | ... | ... | ... | 1 | — | 1 |
| Prematurity | ... | ... | ... | 9 | 7 | 16 |
| Erythroblastosis | ... | ... | ... | — | — | — |
| Feeding : | | | | | | |
| No. of infants wholly breast fed on leaving institution | ... | ... | ... | 463 | 454 | 917 |
| No. of infants who at any time received a supplementary or complementary feed | ... | ... | ... | 166 | 147 | 313 |

TABLE 20. LEGITIMATE LIVE BIRTHS OCCURRING IN THE COUNCIL'S MATERNITY INSTITUTIONS DURING 1947 (excluding multiple births).

The number of previous pregnancies (irrespective of outcome) being :

| Age of Mother at Maternity | Pregnancy Order (including present pregnancy) | | | | | | | | | Total |
|----------------------------------|---|-----|-----|----|----|----|---|---|----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9+ | |
| Years | | | | | | | | | | |
| 15-20 | 47 | 4 | — | — | — | — | — | — | — | 51 |
| 20-25 | 224 | 96 | 21 | — | 1 | — | — | — | — | 342 |
| 25-30 | 143 | 149 | 42 | 9 | 6 | 3 | 1 | — | 1 | 354 |
| 30-35 | 64 | 86 | 50 | 15 | 7 | 2 | 1 | — | — | 225 |
| 35-40 | 23 | 45 | 37 | 14 | 13 | 5 | 4 | 4 | 6 | 151 |
| 40-45 | 7 | 3 | 10 | 6 | 2 | 4 | 3 | 2 | 1 | 38 |
| 45+ | — | — | — | — | — | — | — | — | 1 | 1 |
| All ages | 508 | 383 | 160 | 44 | 29 | 14 | 9 | 6 | 9 | 1,162 |

Multiple births...18 (in one case one set of twins stillborn ; in two cases one of a twin pair stillborn, and in one case one set of twins also illegitimate)
Stillbirths...32 (in two cases also illegitimate) Illegitimate...53

Training School : Midwifery—Part II.

No. of pupil midwives who passed the examination of the
Central Midwives Board during the year

Patient days Chaul End Unit

| | | | | <i>Hospital Patients</i> | <i>Extension Patients</i> | <i>Total</i> |
|---|-----|-----|-----|------------------------------|-------------------------------|--------------|
| (a) Ante-natal and Post-natal treatment | | | | — | — | — |
| (b) Puerperium ... | ... | ... | ... | 2,319 | 1,990 | 4,309 |
| Total | ... | ... | ... | 2,319 | 1,990 | 4,309 |

SPITTLESEA ISOLATION HOSPITAL

TABLE 21

SPITTLESEA HOSPITAL ADMISSIONS

(According to diagnosis at admission)

| | Scarlet Fever | Diphtheria | Cerebro- spinal Fever | Puerperal Pyrexia | Polio- myelitis and Ence- phalitis | Other* | No. of Patient days |
|--------------|------------------|------------|-----------------------------|----------------------|--|--------|---------------------------|
| January ... | 1 | 2 | 1 | 1 | — | 9 | 366 |
| February ... | 3 | — | 1 | — | — | 9 | 298 |
| March ... | 3 | — | — | 2 | — | 9 | 264 |
| April ... | 3 | — | — | — | — | 7 | 151 |
| May ... | 8 | — | — | 2 | 3 | 7 | 241 |
| June ... | 3 | 1 | — | 2 | 2 | 6 | 280 |
| July ... | 3 | 1 | — | 1 | 3 | 6 | 296 |
| August ... | 2 | — | — | — | 19 | 4 | 309 |
| September | — | — | — | 3 | 19 | 4 | 351 |
| October ... | — | 1 | — | — | 18 | 2 | 321 |
| November | — | — | 2 | — | 9 | — | 268 |
| December | 5 | — | 2 | — | 4 | 4 | 200 |
| Total ... | 31 | 5 | 6 | 11 | 77 | 66 | 3345 |

* Other cases total for year include : Measles 8, Meningitis 17, Paratyphoid 3.

SPITTLESEA ISOLATION HOSPITAL

| | | |
|---|--------|-----|
| Available bed days | 20,862 | |
| Actual bed days of patients... .. | 3,345 | |
| Percentage of bed occupation | 16.03% | |
| Maximum number of patients on any one day | 17 | |
| Minimum number of patients on any one day | 3 | |
| No. of patients in hospital 31.12.46 | 12 | |
| No. of patients admitted during the year | 196 | |
| | ————— | 208 |
| No. of patients discharged well | 180 | |
| No. of patients who died | 19 | |
| No. of patients remaining in hospital 31.12.47 | 9 | |
| | ————— | 208 |

NURSERIES.

| | <i>Manor Road</i> | <i>Alder Crescent</i> | <i>Stopsley</i> | <i>Total</i> |
|---|-----------------------|---------------------------|-----------------|--------------|
| No. of Children on Register 1.1.47 | 78 | 82 | 54 | 214 |
| No. of Children added to Register ... | 81 | 92 | 30 | 203 |
| No. of Children removed from Register | 78 | 104 | 50 | 232 |
| No. of Children remaining on Register 31.12.47 | 81 | 70 | 34 | 185 |
| No. of Children on waiting list 31.12.47 | 5 | Nil | 4 | 9 |

REPORT

OF THE

Chief Sanitary Inspector

Public Health Department,
Town Hall,

LUTON.

1st January, 1948.

The Worshipful the Mayor, Aldermen and
Councillors of the Borough of Luton.

Ladies and Gentlemen,

In last year's report I mentioned the difficulty in securing the expeditious repairing of dwelling-houses and that deterioration of property was particularly noticeable. I hoped at the time that in 1947 the position would improve and a nearer pre-war standard of repair would be attained. Difficulties, however, were encountered early in the year, caused by the severe frosts in January and February, when a large number of water closets were damaged, and although representations were made to Ministry Departments for an increased allocation of materials to the town, it was December before sufficient w.c. pans became available, and certain houses had been without sanitary accommodation for as long as ten months.

Throughout the year cast-iron goods, timber and cement were in short supply and in many instances the requirements of notices were not complied with for many months. These conditions are reflected in the number of Statutory Notices served—an increase of 92 per cent. over 1946.

As usual, the inspection of meat and other foods has been given high priority, and all animals slaughtered for food have been inspected. Every effort has been made to save as much food as possible, special care being taken in doubtful cases.

During the year, the Ice Cream (Heat Treatment, etc.) Regulations came into force, and although they do not provide the desired power for enforcing clean handling and protection from contamination of ice cream during all stages, they will ensure a much cleaner article immediately after manufacture. The equipment required for manufacturing ice cream to comply with the Regulations is new, and after the Dairy and Ice Cream Exhibition it was possible to advise manufacturers of the various types of equipment that would become available. Many premises are now ready, and from others, orders have been placed for the new equipment; it is therefore envisaged that by the time the season commences most manufacturers will be ready to produce a cleaner product than hitherto.

The number of rat and mice infestations found has increased, due possibly to more house-to-house visiting as required by the Ministry of Food Scheme and because the sewers have not yet been treated. To cope with the full programme for rat and mice infestation, it has been found necessary to appoint an additional Rodent Operative.

During the year, 567 outworkers' premises were inspected. This function had to be suspended for several years because of the war and staff shortages. Its reintroduction will cover new outworkers and ensure that work is being carried out in wholesome premises.

During the year, there has been no change in Staff, and the work of the Department has run relatively smoothly. Special leave was granted by the Public Health Committee to Mr. Freestone to visit America, wherefrom he brought most interesting and useful information.

In conclusion, I wish to thank members of the Staff and other Officers of the Council for the ready assistance they have given throughout the year.

I have the honour to be,

Your obedient Servant,

ARTHUR J. NICHOLS,

Chief Sanitary Inspector.

SANITARY CIRCUMSTANCES OF THE AREA.

GENERAL.

Luton, which has an area of 8,736 acres, is situated in a valley between the Chiltern Hills at 200 to 400 feet above sea level in the town, rising to 400 to 600 feet above sea level on the surrounding hills. It is mainly built upon the upper chalk, with loam and clay deposits.

Meteorology.—The Luton Meteorological Station, which is under the control of the Borough Engineer, is situated in Wardown Park, New Bedford Road, from which the following observations were taken :—

Sunshine.—1,518.2 hours of sunshine were recorded during the year, the sunniest day being the 28th May, 1947, when 14.3 hours were recorded.

Rainfall.—The total rainfall recorded during the year was 19.52 inches, the wettest day being the 27th June, 1947, when 1.03 inches of rain were recorded.

Temperatures.—The maximum temperature during the year was 90° F., recorded on the 3rd September, 1947, and the minimum temperature was —3.0° F., on the 24th February, 1947, the mean temperature being 47.6° F.

Wind.—The prevailing wind during the year was south-west.

WATER SUPPLY

Luton has an abundant supply of excellent water which is distributed throughout the Borough by the Luton Water Company, and is derived from deep wells in the chalk situated in Crescent Road and Runley Wood. Chlorination of the supply is carried out, the average amount of chlorine pumped into the supply being 0.2 parts per million.

From information received from the Luton Water Company, the total amount of water supplied during the year ended 31st December, 1947, was 1,650,000,000 gallons. Assuming a population of 109,000 the total number of gallons used per head per day was approximately 41, an average of 18 gallons per head per day for industrial purposes, and 23 gallons per head per day for domestic use.

The following information, concerning the plumbo-solvency of the water, is supplied by the Luton Water Company :—

“ We are informed by the Water Pollution Research Laboratory that the water supplied from our chalk wells at Crescent Road is slightly plumbo-solvent. Tests were carried out on a length of unused lead pipe and it was found that although the percentage of lead dissolved in the water was relatively small this quantity was not reduced over a period of 14 days by any insoluble coating being formed on the inside of the pipe. In these circumstances although the quantity of lead dissolved in the water is small we are advised by the Water Pollution Research Laboratory not to use lead pipe for drinking water services. Plumbo-solvency is not usually associated with waters as hard as that supplied by this Company, but we understand that the percentage of carbon dioxide in the water is rather higher than normal which accounts for this exceptional case.

In the past no lead service pipes have been fitted in the Borough at any rate during the present century, and instructions to plumbers carrying out work in the area of supply have always insisted on the use of steam quality galvanised tube for all water services. However, short lengths of lead pipe connecting the galvanised pipe to wash basins or to water closet cisterns have been permitted, and it is considered that the use of such short lengths is not a source of danger. This practice is still continued although the Company prefers the use of copper throughout the whole of the plumbing installations and the total avoidance of lead wherever possible."

Extensions of mains have been carried out in the following districts and roads during the year 1947 :—

| | |
|------------------------|----------------------|
| Farley Hill Estate | Turner's Road |
| Ashcroft Road Estate | Bushmead Road |
| Dunstable Road | Farringdon Road |
| Abingdon Road | Manor Farm, Stopsley |
| Dunstable Road Schools | |

There are now only six houses in the Borough which obtain their water supply from wells. Negotiations are proceeding for the extension of mains to replace three of these.

The following is a summary of the samples of water taken during the year from all sources. Details of samples which were adversely reported upon are given below.

| | | |
|--|--------|-----|
| Number of samples of water examined by the Public Analyst | ... | 19 |
| Number of samples of water examined by the Local Authority | ... | 199 |
| Total | | 218 |

Number of samples of water obtained from :—

| | | |
|-------------------------------|-----|-------|
| Crescent Road Pumping Station | ... | 101 |
| Runley Wood Pumping Station | ... | 98 |
| Shallow and Deep Wells, etc. | ... | 9 |
| Other sources | ... | 10 |
| | | — 218 |

Number of samples found upon examination
to be satisfactory 215

Number of samples found upon examination
to be unsatisfactory—

| | | |
|---------------------------|-----|-------|
| Presence of Bacillus Coli | ... | 3* |
| | | — 218 |

* Samples obtained from two wells. One well is not now used for drinking purposes, mains water being available. At the other premises the work of supplying mains water is in progress.

SEWERAGE AND SEWAGE DISPOSAL

The drainage of the Borough is on the separate system, except in the old part of the Borough which is semi-separate.

The soil water sewage is dealt with at the New Mill End Sewage Purification Works by sedimentation, burning and filtration, the effluent being discharged into the River Lea at New Mill End.

CLOSET ACCOMMODATION.

The following table shows the number of pail closets, earth closets and cesspools in the Borough at the end of December, 1947 :—

| | | | | | |
|---------------|-----|-----|-----|-----|-----|
| Pail closets | ... | ... | ... | ... | 32 |
| Earth closets | ... | ... | ... | ... | 0 |
| Cesspools | ... | ... | ... | ... | 159 |

During the year two cesspools were abolished.

All pail closets are emptied either once or twice weekly between the hours of 10 p.m. and 6 a.m.

Cesspools are emptied by means of mechanical plant as and when required. 106 cesspools were emptied during the twelve months ended 31st December, 1947.

PUBLIC CLEANSING—REFUSE DISPOSAL

The following information is supplied by the Director of Public Cleansing.

The system of refuse disposal is wholly controlled tipping. The weight of house and trade refuse disposed of during the year was 30,098 tons, 13 cwt., 2 qrs.

Further improvements were made in the frequency of refuse collection during 1947, and by the end of the year half the town was receiving a weekly collection.

SANITARY INSPECTION OF THE AREA.

NUMBER AND NATURE OF INSPECTIONS MADE.

| | | | |
|--|-----|-----|--------|
| Complaints reported to Public Health Department | ... | ... | 1,963* |
| Primary Inspection :— | | | |
| Where nuisances were found | ... | ... | 2,244* |
| Where complaint was received and no nuisance found | ... | ... | 96 |
| Under Housing Acts | ... | ... | 148 |
| Where Infectious Disease has occurred | ... | ... | 268 |
| Bakehouses | ... | ... | 92 |
| Caravans, Tents, etc. | ... | ... | 16 |
| Common Lodging Houses | ... | ... | 6 |
| Cowsheds | ... | ... | 19 |
| Dairies and Milkshops | ... | ... | 297 |
| Factories | ... | ... | 71 |
| Fish Frying Premises | ... | ... | 46 |
| Fish Curing Premises | ... | ... | 6 |
| Food Preparing Premises | ... | ... | 265 |
| Food Preparing Premises (Ice Cream) | ... | ... | 211 |
| Food Storage Premises | ... | ... | 284 |
| Markets and Shops | ... | ... | 342 |
| Marine Stores | ... | ... | 1 |
| Offensive Trades | ... | ... | 12 |
| Offices | ... | ... | 2 |
| Outworkers' Premises | ... | ... | 567 |

| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-------|
| Overcrowding | ... | ... | ... | ... | ... | ... | ... | 71 |
| Restaurant Kitchens | ... | ... | ... | ... | ... | ... | ... | 113 |
| Slaughterhouses (for meat inspection) | ... | ... | ... | ... | ... | ... | ... | 1,750 |
| Schools | ... | ... | ... | ... | ... | ... | ... | 14 |
| Stables and Piggeries | ... | ... | ... | ... | ... | ... | ... | 7 |
| Theatres and Amusement Halls | ... | ... | ... | ... | ... | ... | ... | 9 |
| Urinals—Public and Private | ... | ... | ... | ... | ... | ... | ... | 17 |
| Work Places (other than those in list above) | ... | ... | ... | ... | ... | ... | ... | 11 |

OTHER VISITS OR INSPECTIONS.

| | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|--------------------|
| Drainage. Number of drains tested or exposed | ... | ... | ... | ... | ... | ... | ... | 47 |
| Interviews | ... | ... | ... | ... | ... | ... | ... | 1,186 |
| Investigations of Infestations of Insect pests (excluding bugs) | ... | ... | ... | ... | ... | ... | ... | 59 |
| Investigations of Bug Infestations | ... | ... | ... | ... | ... | ... | ... | 148 |
| Smoke Observations | ... | ... | ... | ... | ... | ... | ... | 78 |
| Visits to obtain Water Samples for Analysis | ... | ... | ... | ... | ... | ... | ... | 223 |
| „ under The Food and Drugs Act, for Samples, etc. | ... | ... | ... | ... | ... | ... | ... | 712 |
| „ to property under notice or work in progress | ... | ... | ... | ... | ... | ... | ... | 5,369 |
| Miscellaneous visits | ... | ... | ... | ... | ... | ... | ... | 732 |
| | | | | | | | | <hr/> 17,502 <hr/> |

* These figures do not include 495 complaints and 1,107 primary visits in connection with Rats and Mice, which are dealt with elsewhere in the Report.

ABATEMENT OF NUISANCES.

| | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| Drainage reconstructed | ... | ... | ... | ... | ... | ... | ... | 27 |
| „ repaired, trapped, etc. | ... | ... | ... | ... | ... | ... | ... | 66 |
| „ unstopped | ... | ... | ... | ... | ... | ... | ... | 287 |
| Chambers constructed | ... | ... | ... | ... | ... | ... | ... | 15 |
| Repairs to chambers or new covers | ... | ... | ... | ... | ... | ... | ... | 30 |
| Cesspools emptied because of overflow | ... | ... | ... | ... | ... | ... | ... | 18 |
| „ repaired or rendered impervious | ... | ... | ... | ... | ... | ... | ... | 2 |
| Soil or vent pipes—new fixed | ... | ... | ... | ... | ... | ... | ... | 9 |
| „ „ repaired | ... | ... | ... | ... | ... | ... | ... | 12 |
| Water closets—repaired or supplied with water | ... | ... | ... | ... | ... | ... | ... | 359 |
| „ „ new pans or pedestals fixed | ... | ... | ... | ... | ... | ... | ... | 209 |
| „ „ additional constructed | ... | ... | ... | ... | ... | ... | ... | 3 |
| Waste Pipes—repaired or trapped | ... | ... | ... | ... | ... | ... | ... | 89 |
| „ „ or R.W.P.'s disconnected from drains | ... | ... | ... | ... | ... | ... | ... | 8 |
| „ „ R.W.P.'s and eaves gutters repaired | ... | ... | ... | ... | ... | ... | ... | 309 |
| Sinks provided or replaced | ... | ... | ... | ... | ... | ... | ... | 13 |
| Accumulations of refuse removed | ... | ... | ... | ... | ... | ... | ... | 19 |
| Animals, fowls, etc. | ... | ... | ... | ... | ... | ... | ... | 8 |
| Brickwork or pointings repaired | ... | ... | ... | ... | ... | ... | ... | 196 |
| Coppers repaired or renewed | ... | ... | ... | ... | ... | ... | ... | 35 |
| Dampness remedied | ... | ... | ... | ... | ... | ... | ... | 96 |
| Damp Proof courses inserted | ... | ... | ... | ... | ... | ... | ... | 1 |
| Dustbins supplied | ... | ... | ... | ... | ... | ... | ... | 181 |
| Fireplaces, stoves and flues repaired | ... | ... | ... | ... | ... | ... | ... | 122 |
| Flooring and other woodwork repaired or renewed | ... | ... | ... | ... | ... | ... | ... | 241 |
| Floors—concrete or quarried repaired or renewed | ... | ... | ... | ... | ... | ... | ... | 34 |

| | | | | | | |
|---|-----|-----|-----|-----|-----|-------|
| Gas fittings or services repaired | ... | ... | ... | ... | ... | 41 |
| Gullies in street unstopped | ... | ... | ... | ... | ... | 15 |
| Overcrowding abated | ... | ... | ... | ... | ... | 7 |
| Plaster repaired | ... | ... | ... | ... | ... | 385 |
| Rat infestations abated... | ... | ... | ... | ... | ... | 1,105 |
| Rent Books made to comply with Regulations of Housing Act | ... | ... | ... | ... | ... | 8 |
| Roofs made watertight | ... | ... | ... | ... | ... | 417 |
| Stagnant water removed | ... | ... | ... | ... | ... | 2 |
| Walls and ceilings cleansed | ... | ... | ... | ... | ... | 42 |
| Water supplies reinstated or made sufficient | ... | ... | ... | ... | ... | 44 |
| Water supplied to houses previously supplied by wells | ... | ... | ... | ... | ... | 24 |
| Windows—Cords, fasteners and glass repaired or renewed | ... | ... | ... | ... | ... | 218 |
| Verminous rooms fumigated | ... | ... | ... | ... | ... | 296 |
| Ventilation improved | ... | ... | ... | ... | ... | 6 |
| Ventilation—sub-floor provided | ... | ... | ... | ... | ... | 1 |
| Yards and passages paved | ... | ... | ... | ... | ... | 17 |
| Miscellaneous | ... | ... | ... | ... | ... | 148 |
| Total | ... | ... | ... | ... | ... | 5,165 |

STATUTORY NOTICES.

NUMBER OF LEGAL NOTICES ISSUED FOR ABATEMENT OF NUISANCES.

| | <i>Served</i> | <i>Complied with</i> |
|--|---------------|----------------------|
| Number of Outstanding Notices, 31st Dec., 1946 | 50 | 50 |
| Public Health Act, 1936. Section 39 | 39 | 15 |
| Public Health Act, 1936. Section 45 | 52 | 34 |
| Public Health Act, 1936. Section 56 | 8 | 6 |
| Public Health Act, 1936. Section 93 | 101 | 56 |
| Luton Corporation Act, 1911. Section 36 | 21 | 13 |
| | 271 | 174 |

INFECTIOUS DISEASES.

| | | |
|---|-----|-------|
| Premises inspected where notifiable diseases have occurred | ... | 268 |
| Cases removed to Isolation Hospital | ... | 122 |
| Rooms disinfected after infectious, contagious or other disease, etc. | ... | 329 |
| Premises where repairs or redecorations have been carried out after infectious diseases | ... | 23 |
| Rooms where walls and ceilings were rubbed down after infectious disease | ... | 146 |
| Visits paid to ascertain if notices to repair or redecorate have been complied with | ... | 61 |
| Rooms disinfected by occupiers | ... | 124 |
| Premises visited tracing infectious diseases | ... | 231 |
| Articles disinfected by steam at request of owners | ... | 1,242 |
| Articles destroyed by burning at request of owners | ... | 55 |
| Total visits paid to infected premises | ... | 729 |

DISINFECTANT.

During the year 40 gallons of disinfecting fluid were supplied to the public, free of charge, for use in premises where cases of infectious disease, etc., had occurred.

LIBRARY BOOKS.

During the year 677 library books were withdrawn from circulation and were disinfected before they were returned.

PUBLIC SWIMMING BATHS.

There are two Public Swimming Baths in the Borough, both owned by the Corporation.

The Public Baths are situate in Waller Street, Luton, and consist of a covered Swimming Pool, 46 Slipper Baths and 1 Vapour Bath, whilst the Open Air Swimming Pool, situate off New Bedford Road, Luton, caters for Swimming and Bathing only.

During the season of 1947 the following number of bathers were dealt with :—

| | | | | | | <i>Waller Street Baths</i> | <i>Open Air Swimming Pool</i> |
|------------------------|-----|-----|-----|-----|-----|--------------------------------|---------------------------------------|
| Civilians | ... | ... | ... | ... | ... | 113,638 | 78,907 |
| Members of H.M. Forces | ... | ... | ... | ... | ... | 11,706 | Nil |
| Total | ... | ... | ... | ... | ... | <hr/> 125,344 <hr/> | <hr/> 78,907 <hr/> |

Chloroscope examinations of the water are carried out by the Attendants approximately three times per day, and in addition, samples of water are sent to the Public Analyst for examination every two months.

The baths were closed for a short period during the height of the outbreak of Poliomyelitis. Samples of water from the Public Swimming Baths and other bathing places in the town were examined by the Public Analyst and in the Medical Research Council's Laboratory.

THEATRES.

Inspection of Sanitary Accommodation in the Cinemas and the Theatre has been made during the year.

Minor Sanitary defects were found and attended to.

ERADICATION OF BED BUGS.

During the year ended 31st December, 1947, 82 complaints of verminous premises were received, and in all instances where bugs were found, disinfection was carried out. The use of liquid vermicide containing DDT was relied upon for treating the infestations, and proved satisfactory. In a few instances re-infestations occurred.

TABLE 22.

The following table shows the number of premises and rooms dealt with during 1947 :—

| | Number of Premises | | Number of Rooms | |
|--|----------------------|-------------|----------------------|-------------|
| | Found to be infested | Disinfested | Found to be infested | Disinfested |
| Number of Council Houses | 48* | 48* | 119* | 119* |
| Number of other Houses | 96 | 96 | 157 | 157 |
| Number of cases where disinfestation has been carried out prior to removal from Clearance Areas, etc. into new Council Houses | — | — | — | — |
| Number of cases where disinfestation has been carried out by Corporation Disinfecting Officer | 144 | 144 | 276 | 276 |
| Number of cases where disinfestation has been carried out by Occupants or Contractors | — | — | — | — |
| Number of complaints of infestation received (82) | 78 | 78 | 189 | 189 |
| Number of cases found by Sanitary Inspectors | 66 | 66 | 87 | 87 |

* Includes 34 houses (74 rooms) in slum areas, acquired by the Council for the purpose of demolition at an early date.

RATS AND MICE DESTRUCTION.

From the 1st July, 1946, the scheme for the free treatment of dwelling-houses has been in operation. The scheme has not been very satisfactory because the treatment of sewers has only recently been started. Every effort is now being made to complete the scheme to coincide with the completion of sewer treatment.

The Corporation Controlled Refuse Tip receives special attention, and at no time during the year has the infestation been out of hand.

TABLE 23.

The following table shows the amount of work carried out during 1947 :—

| | Complaints received | Infestations dealt with | Treatment completed | Premises requiring re-treatment | Bodies found | Number of Rats destroyed according to Ministry formula |
|----------------------------------|---------------------|-------------------------|---------------------|---------------------------------|--------------|--|
| Private Dwellings { Rats Mice | 344 48 | 948 48 | 948 48 | — — | 510 236 | 614 — |
| Business Premises { Rats Mice | 61 42 | 68 43 | 66 43 | 2 — | 546 633 | 11,727 — |
| Totals { Rats Mice | 405 90 | 1,016 91 | 1,014 91 | 2 — | 1,056 869 | 12,341 — |

THE FACTORIES ACT, 1937
INSPECTION OF FACTORIES

FACTORIES, FACTORIES NO MECHANICAL POWER, AND
WORKPLACES

| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|
| Premises inspected | ... | ... | ... | ... | ... | ... | ... | 977 |
| Premises inspected and found satisfactory | ... | ... | ... | ... | ... | ... | ... | 909 |
| Premises inspected and found unsatisfactory | ... | ... | ... | ... | ... | ... | ... | 68 |
| Factories where defects were found and referred by H.M. Inspector | ... | ... | ... | ... | ... | ... | ... | 15 |
| Reports on action taken sent to H.M. Inspector | ... | ... | ... | ... | ... | ... | ... | 18 |
| Number of defects remedied as a result of H.M. Inspector's notifications | ... | ... | ... | ... | ... | ... | ... | 23 |

LIST OF DEFECTS FOUND IN FACTORIES, FACTORIES (NO
MECHANICAL POWER), AND WORKPLACES

| | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| Abstract not posted | ... | ... | ... | ... | ... | ... | ... | 1 |
| Buildings reconstructed | ... | ... | ... | ... | ... | ... | ... | 2 |
| Cleanliness, want of | ... | ... | ... | ... | ... | ... | ... | 63 |
| Dilapidations, General | ... | ... | ... | ... | ... | ... | ... | 25 |
| Drains choked or defective | ... | ... | ... | ... | ... | ... | ... | 12 |
| Floors defective | ... | ... | ... | ... | ... | ... | ... | 14 |
| Lighting insufficient | ... | ... | ... | ... | ... | ... | ... | 2 |
| Noise, nuisance from | ... | ... | ... | ... | ... | ... | ... | 1 |
| Offensive accumulations | ... | ... | ... | ... | ... | ... | ... | 7 |
| Rat or Mice infestation | ... | ... | ... | ... | ... | ... | ... | 111 |
| Roofs defective | ... | ... | ... | ... | ... | ... | ... | 11 |
| Trade Refuse, burning of | ... | ... | ... | ... | ... | ... | ... | 3 |
| Ventilation, want of | ... | ... | ... | ... | ... | ... | ... | 6 |
| Water Closet, not separate for sexes | ... | ... | ... | ... | ... | ... | ... | 3 |
| „ „ no ventilated Lobby | ... | ... | ... | ... | ... | ... | ... | 2 |
| „ „ not lighted | ... | ... | ... | ... | ... | ... | ... | 1 |
| „ „ dirty condition | ... | ... | ... | ... | ... | ... | ... | 9 |
| „ „ needing repair | ... | ... | ... | ... | ... | ... | ... | 7 |
| „ „ not screened | ... | ... | ... | ... | ... | ... | ... | 6 |
| „ „ without indication | ... | ... | ... | ... | ... | ... | ... | 4 |
| „ „ insufficient | ... | ... | ... | ... | ... | ... | ... | 4 |
| Washing facilities absent or inadequate | ... | ... | ... | ... | ... | ... | ... | 5 |
| Water supply insufficient | ... | ... | ... | ... | ... | ... | ... | 1 |

300

The Local Authority again considered the using of basement bake-houses, and because the time is inopportune to close these premises, the position will again be reviewed in 1948.

REGISTERED FACTORIES AND FACTORIES (NO MECHANICAL POWER)

FACTORIES ACT, 1937

The following is a classified list of the Factories and Factories (No Mechanical Power) on the Register at the 31st December, 1947.

FACTORIES

| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|
| Artificial Flowers | ... | ... | ... | ... | ... | ... | ... | 1 |
| Beer Bottling, Coffee Roasting and Grinding | ... | ... | ... | ... | ... | ... | ... | 1 |
| Blacksmiths | ... | ... | ... | ... | ... | ... | ... | 4 |
| Bleachers, Dyers and Felt Body Makers | ... | ... | ... | ... | ... | ... | ... | 14 |
| Boilers Manufacturer | ... | ... | ... | ... | ... | ... | ... | 1 |
| Boot Repairers | ... | ... | ... | ... | ... | ... | ... | 28 |
| Brass and Aluminium Founders | ... | ... | ... | ... | ... | ... | ... | 4 |
| Breeze Block Manufacturers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Brush Manufacturers | ... | ... | ... | ... | ... | ... | ... | 1 |
| Builders | ... | ... | ... | ... | ... | ... | ... | 3 |
| Cardboard Box Makers | ... | ... | ... | ... | ... | ... | ... | 15 |
| Cellulose Spraying | ... | ... | ... | ... | ... | ... | ... | 2 |
| Chemical Makers | ... | ... | ... | ... | ... | ... | ... | 3 |
| Chocolate, Cocoa and Sweet Manufacturers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Cigarette Manufacturers | ... | ... | ... | ... | ... | ... | ... | 1 |
| Coach and Motor Body Builders | ... | ... | ... | ... | ... | ... | ... | 3 |
| Corn Merchants | ... | ... | ... | ... | ... | ... | ... | 2 |
| Dairies | ... | ... | ... | ... | ... | ... | ... | 4 |
| Dry Cleaning and Dyeing | ... | ... | ... | ... | ... | ... | ... | 2 |
| Electric Appliances | ... | ... | ... | ... | ... | ... | ... | 2 |
| Electrical Engineers | ... | ... | ... | ... | ... | ... | ... | 10 |
| Electro-Platers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Feather Dyeing and Mounting | ... | ... | ... | ... | ... | ... | ... | 5 |
| Felt Products | ... | ... | ... | ... | ... | ... | ... | 1 |
| Fireplace Manufacturers | ... | ... | ... | ... | ... | ... | ... | 1 |
| French Polishers (Cabinets) | ... | ... | ... | ... | ... | ... | ... | 1 |
| Furriers | ... | ... | ... | ... | ... | ... | ... | 3 |
| Garment Makers and Menders and Corset Makers | ... | ... | ... | ... | ... | ... | ... | 11 |
| General Engineers | ... | ... | ... | ... | ... | ... | ... | 37 |
| Glass Workers | ... | ... | ... | ... | ... | ... | ... | 4 |
| Hat Blockers and Blockmakers | ... | ... | ... | ... | ... | ... | ... | 16 |
| Hat Lining Manufacturers | ... | ... | ... | ... | ... | ... | ... | 11 |
| Hat Manufacturers | ... | ... | ... | ... | ... | ... | ... | 243 |
| Hat Materials Merchants | ... | ... | ... | ... | ... | ... | ... | 1 |
| Ice-Cream Manufacturers | ... | ... | ... | ... | ... | ... | ... | 1 |
| Iron Founders | ... | ... | ... | ... | ... | ... | ... | 9 |
| Jigs and Tools Makers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Joiners, Woodworkers and Carpenters | ... | ... | ... | ... | ... | ... | ... | 32 |
| Knitted Hood Makers and Proofers | ... | ... | ... | ... | ... | ... | ... | 3 |
| Laundries | ... | ... | ... | ... | ... | ... | ... | 5 |
| Leather Goods | ... | ... | ... | ... | ... | ... | ... | 2 |
| Machine Makers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Millinery | ... | ... | ... | ... | ... | ... | ... | 1 |

Carried forward 498

| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----------------|-----------|
| | | | | | | | Brought forward | 498 |
| Mineral Water Manufacturers and Brewers ... | ... | ... | ... | ... | ... | ... | ... | 6 |
| Motor Vehicle Engineers, Repairs and Cycle Repairs | | | | | | ... | ... | 45 |
| Pattern Makers | ... | ... | ... | ... | ... | ... | ... | 3 |
| Photographic Printers and Developers | | | | ... | ... | ... | ... | 4 |
| Plastics ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| Printers and Letterpress Printers | | | | ... | ... | ... | ... | 23 |
| Sausage Makers, Pie Makers, etc. | | | | ... | ... | ... | ... | 11 |
| Saw Mills | ... | ... | ... | ... | ... | ... | ... | 2 |
| Sewing Machine Engineers | | | | ... | ... | ... | ... | 2 |
| Sheet Metal Workers | ... | ... | ... | ... | ... | ... | ... | 8 |
| Soap Powders Manufacturers | | | | ... | ... | ... | ... | 1 |
| Stone Masons | ... | ... | ... | ... | ... | ... | ... | 3 |
| Tailors and Clothiers | ... | ... | ... | ... | ... | ... | ... | 29 |
| Tinsmiths | ... | ... | ... | ... | ... | ... | ... | 1 |
| Toilet Requisites | | | | ... | ... | ... | ... | 2 |
| Trailer Caravans | | | | ... | ... | ... | ... | 1 |
| Typewriter Repairs | ... | ... | ... | ... | ... | ... | ... | 1 |
| Undertakers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Upholsterers | ... | ... | ... | ... | ... | ... | ... | 4 |
| Miscellaneous | ... | ... | ... | ... | ... | ... | ... | 32 |
| | | | | | | | | <hr/> 680 |

FACTORIES (NO MECHANICAL POWER)

| | |
|---|-------|
| Basket Makers | 1 |
| Blacksmiths and Wheelwrights | 6 |
| Boot Repairers | 1 |
| Builders' Yards and Brickmakers | 3 |
| Coach Builders and Repairers, Motor Vehicle and Cycle Repairers | 4 |
| Dress and Coat Makers' Alterations | 4 |
| Electrical Engineers | 1 |
| Feather Work | 1 |
| French Polishers | 1 |
| General Engineers | 2 |
| Hat and Millinery Manufacturers | 12 |
| Joiners | 4 |
| Knitted Goods | 1 |
| Photographers | 1 |
| Radio Repairs | 1 |
| Sheet Metal Workers | 2 |
| Sweet Manufacturers | 2 |
| Tailors | 5 |
| Upholsterers | 3 |
| Washing Powders Manufacturers | 1 |
| Watch, Clock, Jewellery and Typewriter Repairs | 2 |
| Weighing Machine Repairers and Scale Makers | 2 |
| Miscellaneous | 12 |
| | <hr/> |
| | 72 |

TABLE 24. OUTWORKERS RETURNS.

| OUTWORKERS LISTS | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------|---------------------------|-------|-------------|---------|--|-----------------------|-----------|--|--------------|--------------|---|---|-----------------|---------------------------------------|-----------------------|--|------------------|---------|-------------|
| Section 110, Factories Act, 1937 | | | | | | | | | | | | | | | | | | | | | |
| Section 107, Factory and Workshop Act, 1901 | | | | | | | | | | | | | | | | | | | | | |
| Nature of Work | Lists received from Employers and other Authorities | | | | | | Outwork in un-wholesome premises, Sec. 111. | | | Outwork in infected premises, Sec. 153. P.H.A. 1936. | | | Lists forwarded to other Authorities | | | Lists received from other Authorities | | | | | |
| | Sending once in the year | | Sending twice in the year | | Outworkers | | Outworkers | | Instances | Notices served | Prosecutions | Prosecutions | | Local Authorities to whom lists of outworkers have been forwarded | Number of lists | Workmen | Contractors | Authorities from whom lists have been received | Numbers of lists | Workmen | Contractors |
| | Lists | Contractors | Workmen | Lists | Contractors | Workmen | Failing to keep and permit inspection of lists | Failing to send lists | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Making, etc., Wearing Apparel | 99 | 1 | 738 | 15 | 4 | 46 | | | | | | | Dunstable B.C. Harpenden | 7 | 17 | - | Corporation of London | 2 | 2 | - | |
| Brush Making ... | - | - | - | 1 | - | 73 | | - | - | - | 5 | - | Where cases have arisen | 1 | 1 | 1 | - | Chelsea M.B. ... | 1 | 1 | - |
| Box Making ... | 2 | - | 5 | - | - | - | | - | - | - | - | - | work has been withheld by verbal arrangement | 1 | 1 | 9 | - | Finsbury M.B. ... | 3 | 5 | 1 |
| Paper Bag Making | 1 | - | 1 | - | - | - | | - | - | - | - | - | Hackney M.B. ... | 4 | 9 | 9 | - | Kensington M.B. ... | 2 | 2 | - |
| Wallets and Plastic Holdalls Making | 1 | - | 22 | - | - | - | | - | - | - | - | - | Ampt Hill R.D.C. Hitchin R.D.C. Hemel Hempstead R.D.C. Luton R.D.C. Wing R.D.C. | 13 | 43 | - | Southwark M.B. ... | 1 | 1 | - | |
| Totals ... | 103 | 1 | 766 | 16 | 4 | 119 | - | - | - | - | 5 | - | No separate Records kept | 29 | 83 | - | - | Stepney M.B. ... | 3 | - | 3 |
| | | | | | | | | | | | | | | | | | | St. Marylebone M.B. ... | 2 | 2 | - |
| | | | | | | | | | | | | | | | | | | City of Westminster M.B. ... | 1 | 1 | - |
| | | | | | | | | | | | | | | | | | | Dunstable B.C. Hemel Hempstead B.C. ... | 1 | 5 | - |
| | | | | | | | | | | | | | | | | | | | 1 | 1 | - |
| | | | | | | | | | | | | | | | | | | | | | 4 |

The homes of all outworkers are visited by the Sanitary Inspectors who deal with any nuisance or other irregularity

HOUSING.

I.—Inspection of Dwelling-houses during the year :—

| | | | |
|---------|---|--------|-------|
| (1) (a) | Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) | ... | 2,542 |
| (b) | Number of inspections made for the purpose | | 7,713 |
| (2) (a) | Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Acts... | | 1 |
| (b) | Number of inspections made for the purpose. Visits to properties already recorded in (2) (a) | | 148 |
| (3) | Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation | | 1 |
| (4) | Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation | | 2,178 |

II.—Remedy of defects during the year without service of formal Notices :—

| | | |
|---|--------|-------|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers | | 1,807 |
|---|--------|-------|

III.—Action under Statutory Powers during the year :—

A.—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—

| | | | |
|-----|--|--------|---|
| (1) | Number of dwelling-houses in respect of which notices were served requiring repairs | | 0 |
| (2) | Number of dwelling-houses which were rendered fit after service of formal notices :— | | |
| (a) | By Owners | | 0 |
| (b) | By Local Authority in default of owners | ... | 0 |

B.—Proceedings under Public Health Acts :—

| | | |
|-----|--|------------|
| (1) | Number of dwelling-houses in respect of which formal notices were served requiring defects to be remedied... | 221 |
| (2) | Number of dwelling-houses in which defects were remedied after service of formal notices :— | |
| (a) | By Owners | 174 |
| (b) | By Local Authority in default of owners | ... 0 |

C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

| | |
|--|---|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | 1 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders | 5 |

D.—Proceedings under Section 12 of the Housing Act, 1936 :—

| | |
|--|---|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made | 0 |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | 0 |

Housing Act, 1936 :—

| | |
|--|-----|
| (a) (i) Number of dwellings overcrowded at end of year | 99 |
| (ii) Number of families dwelling therein | 172 |
| (iii) Number of persons dwelling therein | 950 |
| (b) Number of new cases of overcrowding reported during the year | 23 |
| (c) (i) Number of cases of overcrowding relieved during the year. (14 families in 7 houses) | 7 |
| (ii) Number of persons concerned in such cases | 56 |
| (d) Cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding | 1 |
| (e) (i) Number of Council houses found to be overcrowded at end of year | 12 |
| (ii) Number of families dwelling therein | 24 |
| (iii) Number of persons dwelling therein | 118 |
| (f) Number of cases of overcrowding in Council houses relieved during the year | 4 |

INSPECTION AND SUPERVISION OF FOOD.

FOOD AND DRUGS ACT, 1938 MILK

Registered :—

| | | | | | | | | |
|-------------|-----|-----|-----|-----|-----|-----|-----|---|
| Cowkeepers | ... | ... | ... | ... | ... | ... | ... | 4 |
| Wholesalers | ... | ... | ... | ... | ... | ... | ... | 7 |

Registered Purveyors for Sale of :—

| | | | | | | | |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Tuberculin Tested Milk | ... | ... | ... | ... | ... | ... | 8* |
| Tuberculin Tested Milk (Certified) | ... | ... | ... | ... | ... | ... | 1 |
| Pasteurised Milk | ... | ... | ... | ... | ... | ... | 7 |
| Ungraded Loose Milk | ... | ... | ... | ... | ... | ... | 31 |
| Prepacked Milk only | ... | ... | ... | ... | ... | ... | 150 |

* Includes three purveyors holding Dealers' Licences to sell Pasteurised Milk for the purpose of selling "Tuberculin Tested Pasteurised" Milk.

MILK (SPECIAL DESIGNATIONS) ORDER

The following licences were granted during 1947 :—

Tuberculin Tested Milk (Certified)—

| | | | | | | | |
|---------------|-----|-----|-----|-----|-----|---|---|
| Supplementary | ... | ... | ... | ... | ... | 1 | |
| | | | | | | — | 1 |

Tuberculin Tested Milk—

| | | | | | | | |
|---|-----|-----|-----|-----|-----|---|------|
| Establishment at which the Milk is bottled | ... | | | | | 1 | |
| Establishment where Milk is sold in bottles as supplied by wholesaler | ... | ... | ... | ... | | 7 | |
| | | | | | | — | 8 |
| Pasteurised (Holder) | ... | ... | ... | ... | ... | 3 | |
| Pasteurised (H.T.S.T.) | ... | ... | ... | ... | ... | 1 | |
| | | | | | | — | 4 |
| | | | | | | | — 13 |

| | | | | | | | |
|--|-----|--|--|--|--|--|-----|
| Number of Milk Vendors resident in Borough | ... | | | | | | 181 |
|--|-----|--|--|--|--|--|-----|

BACTERIOLOGICAL EXAMINATION OF MILK.

During the year 205 samples of milk were submitted for bacteriological examination and Table 25 shows the results of these examinations.

TABLE 25. BACTERIOLOGICAL EXAMINATION OF MILK.

| | Total samples submitted | Coliform present out of 3 tubes | | | Per- centage satis- factory | Methylene Blue Test | | Per- centage satis- factory | Phosphatase | | Per- centage satis- factory |
|-----------------------------------|-------------------------------|------------------------------------|---|---|--------------------------------------|------------------------|--------|--------------------------------------|-------------|--------|--------------------------------------|
| | | 1 | 2 | 3 | | Passed | Failed | | Passed | Failed | |
| Ungraded Milk ... | 9 | 2 | 1 | 0 | 66.66 | 8 | 1 | 88.8 | — | — | — |
| Pasteurised ... | 108 | — | — | — | — | 81 | 27 | 75.0 | 97 | 11 | 89.72 |
| Heat Treated ... | 27 | — | — | — | — | 24 | 3 | 88.8 | 23 | 4 | 85.15 |
| Tuberculin Tested ... | 19 | 2 | 2 | 4 | 68.42 | 13 | 6 | 68.42 | — | — | — |
| Tuberculin Tested (Certified) ... | 2 | 0 | 0 | 0 | 100 | 2 | 0 | 100 | — | — | — |
| Tuberculin Tested (Pasteurised) | 6 | — | — | — | — | 5 | 1 | 83.33 | 6 | 0 | 100 |
| Sterilised ... | 13 | — | — | — | — | 13 | 0 | 100 | 13 | 0 | 100 |

TABLE 26.

SUMMARY OF CHEMICAL ANALYSES OF MILK SAMPLES.

| Period | No. of Samples Examined | AVERAGES | |
|----------------------------|----------------------------|----------|---------------------|
| | | Fat % | Solids not Fat % |
| January | 18 | 3.55 | 8.68 |
| February | 10 | 3.58 | 8.68 |
| March | 22 | 3.61 | 8.96 |
| Quarter ended 31.3.47 ... | 50 | 3.58 | 8.80 |
| April | 20 | 3.64 | 8.86 |
| May | 10 | 3.47 | 8.83 |
| June | 18 | 3.22 | 8.76 |
| Quarter ended 30.6.47 ... | 48 | 3.45 | 8.82 |
| July | 10 | 3.61 | 8.71 |
| August | 18 | 3.24 | 7.98 |
| September | 10 | 3.52 | 8.46 |
| Quarter ended 30.9.47 ... | 38 | 3.41 | 8.30 |
| October | 10 | 3.85 | 8.95 |
| November | 11 | 3.70 | 8.67 |
| December | 12 | 3.26 | 8.55 |
| Quarter ended 31.12.47 ... | 33 | 3.58 | 8.71 |
| Year ended 31.12.47 ... | 169 | 3.51 | 8.68 |

A number of unsatisfactory samples was taken from large bulk supplies and it was impossible to trace the Milk to its source of production, but in 25 cases, the matter was taken up with the County Councils, Producers and Retailers concerned.

EXAMINATION OF MILK

SECTION 25, FOOD AND DRUGS ACT, 1938

Twenty-two samples of milk were taken and tested by guinea-pig inoculation, and all samples were found to be free from tubercle bacilli.

In five samples there was serological evidence of *Brucella abortus*, and reports on two samples were sent to the County Medical Officer of Health.

BACTERIOLOGICAL EXAMINATION OF WASHED MILK BOTTLES AND CHURNS

Forty-seven washed milk bottles, six washed churns and two samples of rinse water were taken for examination.

Of the forty-seven milk bottles examined, twenty-two were found to be satisfactory, the count being less than 600 bacteria per pint bottle.

Of the twenty-five milk bottles found to be unsatisfactory, the number of bacteria was uncountable in twenty samples, and the counts for the remaining five bottles were as follows :—

TABLE 27
(1-pint bottles rinsed with 20 c.c. saline)

| Sample No. | 20 | 24 | 52 | 53 | 55 |
|----------------------------|-------|-------|-------|-----|-----|
| Bottle Count | 7,100 | 2,200 | 1,260 | 720 | 840 |

Where the examined bottles were found to be unsatisfactory the matter was taken up with the dairyman, and advice given.

The following table shows the results of the examinations of the six churns :—

TABLE 28.

| Sample No. | 1 | 2 | 3 | 4 | 5 | 6 |
|--------------------------|--------|-------|-------|--------|-------|-----------|
| Colony Count per Churn | 15,000 | 5,000 | 5,000 | 15,000 | 5,000 | 2,250,000 |

REGISTRATIONS OF PREMISES USED FOR THE MANUFACTURE, STORAGE OR SALE OF FOOD

| | Premises on Register, 1946 | Added to Register, 1947 | Removed from Register, 1947 | Totals |
|--|-------------------------------------|----------------------------------|--------------------------------------|--------|
| Sale and Storage of Ice-cream ... | 68 | 11 | 5 | 74 |
| Manufacture of Ice-cream | 19 | 3 | 1 | 21 |
| Manufacture of Preserved Foods ... | 66 | 2 | — | 68 |
| Fish Frying and Curing | 27 | — | — | 27 |
| Butter, Margarine, Wholesale dealers or Factories | 17 | — | — | 17 |

ICE-CREAM

Thirty samples of ice cream, ten samples of various ingredients, and three samples of biscuits were examined in the Medical Research Council's laboratory.

Judging the samples of ice cream on the time taken to decolourise Methylene Blue and applying the Public Health Laboratory Service grading, the results of the examinations are shown below :—

| Public Health Laboratory Service Grading | | | |
|--|---------|---------|---------|
| GRADE 1 | GRADE 2 | GRADE 3 | GRADE 4 |
| 10 | 7 | 4 | 9 |

Those falling in categories 3 and 4 were samples considered unsatisfactory, and necessitated further investigation either at the place of manufacture or at the premises from which the ice cream was sold.

In two of the ice creams graded in 1 and 2 above, faecal coli was reported present, and further investigation was necessary in these instances.

All the ingredients examined were found satisfactory.

One of the three samples of biscuits was unsatisfactory.

TABLE 29
MEAT INSPECTION IN SLAUGHTERHOUSES.

| | Cattle exclud- ing Cows | Cows | Calves | Sheep and Lambs | Pigs | Total |
|--|----------------------------------|--------|--------|-----------------------|--------|--------|
| Number killed | 3,238 | 1,589 | 3,435 | 8,131 | 296 | 16,689 |
| Number Inspected | 3,238 | 1,589 | 3,435 | 8,131 | 296 | 16,689 |
| Percentage of number killed which were inspected | 100% | 100% | 100% | 100% | 100% | 100% |
| All diseases except Tuberculosis : | | | | | | |
| Whole carcasses condemned | 3 | 11 | 10 | 18 | 6 | 48 |
| Carcasses of which some part or organ was condemned | 1,233 | 661 | 19 | 674 | 27 | 2,614 |
| Percentage of the number inspected affected with disease other than tuber- culosis | 38.17% | 42.29% | 0.84% | 8.51% | 11.15% | 15.95% |
| Tuberculosis only : | | | | | | |
| Whole carcasses condemned | 16 | 55 | 11 | — | 1 | 83 |
| Carcasses of which some part or organ was condemned | 685 | 631 | 4 | — | 32 | 1,352 |
| Percentage of the number inspected affected with Tuberculosis | 21.65% | 43.17% | 0.44% | — | 11.15% | 8.60% |

INSPECTION OF MEAT AND OTHER FOODS

The amount of unſound food condemned and destroyed during the year comprised :—

| <i>No. of Parcels</i> | <i>Article</i> | <i>Weight in lbs.</i> |
|-----------------------|---|-----------------------|
| 2,483 | Beef | 142,777 |
| 56 | Pork | 1,566 |
| 230 | Mutton | 2,960 |
| 35 | Meat, other than from Slaughterhouses ... | 2,327 |
| | Bacon and Ham | 1 |
| | Boneless Turkey | 14 |
| | Vegetables—Fresh and Canned and Soups ... | 1,592 |
| | Fish—Fresh and Canned | 5,331 |
| | Fish Cakes | 133 |
| | Butter, Margarine and Cheese | 201 |
| | Canned Milk | 1,871 |
| | Canned and Cooked Meat | 1,884 |
| | Crumpets, Cakes, Buns, etc. | 175 |
| | Flour and Bread | 1,838 |
| | Oatmeal | 140 |
| | Preserves | 530 |
| | Tea | 17 |
| | Cocoa | 1 |
| | Coffee | 27 |
| 764 | Cake and Pudding Mixture | 80 |
| | Fruit—Fresh and Canned | 1,757 |
| | Cereals | 134 |
| | Rolled Oats | 266 |
| | Sweets | 39 |
| | Biscuits | 43 |
| | Egg Powder | 4 |
| | Sugar | 25 |
| | Suet | 13 |
| | Meat Pies | 38 |
| | Steak and Kidney Puddings | 24 |
| | Pickles and Sauces | 72 |
| | Paste | 5 |
| | Macaroni | 5 |
| | Fruit Puddings | 4 |
| | Sundries | 107 |
| | 74 tons 2 cwts. 0 qrs. 17 lbs. | |
| 3,568 | | 166,001 |

The above statement includes the weight of the entire carcasses and organs of 19 cattle, excluding cows, 66 cows, 21 calves, 18 sheep and lambs and 7 pigs.

TUBERCULOSIS IN CALVES.

During the year Veterinary Inspectors of the Ministry of Agriculture and Fisheries were notified of nine calves examined in the slaughterhouses and found to be affected with Tuberculosis.

Reports from the Veterinary Inspectors concerned show that two dams were traced and dealt with.

SLAUGHTER OF ANIMALS ACT, 1933

| | | |
|---|--------|----|
| Number of Slaughtermen on Register at 31st December, 1946 | ... | 35 |
| Applications for Licences considered during 1947 | | 2 |
| Number of Slaughtermen on Register at 31st December, 1947 | ... | 37 |

SALE OF FOOD AND DRUGS ACTS.

During the year 336 samples were taken, 149 being formal and 187 informal samples.

| <i>Formal</i> | <i>Informal</i> | <i>Nature of Sample</i> |
|---------------|-----------------|--|
| — | 4 | Butter |
| — | 4 | Cheese |
| 5 | 20 | Meat Products |
| — | 6 | Confectionery, sweets, etc. |
| — | 12 | Fish—canned, and fish and meat paste |
| — | 34 | Fruit—fresh and preserved |
| — | 31 | Groceries—miscellaneous |
| — | 15 | Jam, honey, marmalade, etc. |
| — | 5 | Lard and Cooking Fat |
| — | 4 | Margarine |
| 1 | 14 | Milk and Milk Foods (canned) |
| 132 | — | Milk |
| — | 19 | Patent medicines and chemical substances |
| 3 | 4 | Sausages and sausage meat |
| — | 12 | Temperance drinks & non-alcoholic wines |
| 8 | 3 | Wines, spirits and beers |
| <hr/> 149 | <hr/> 187 | |
| | 336 | |

TABLE 30.

Of the samples analysed 28 were reported to be not genuine, details of which, and the action taken in regard thereto, are as follows :—

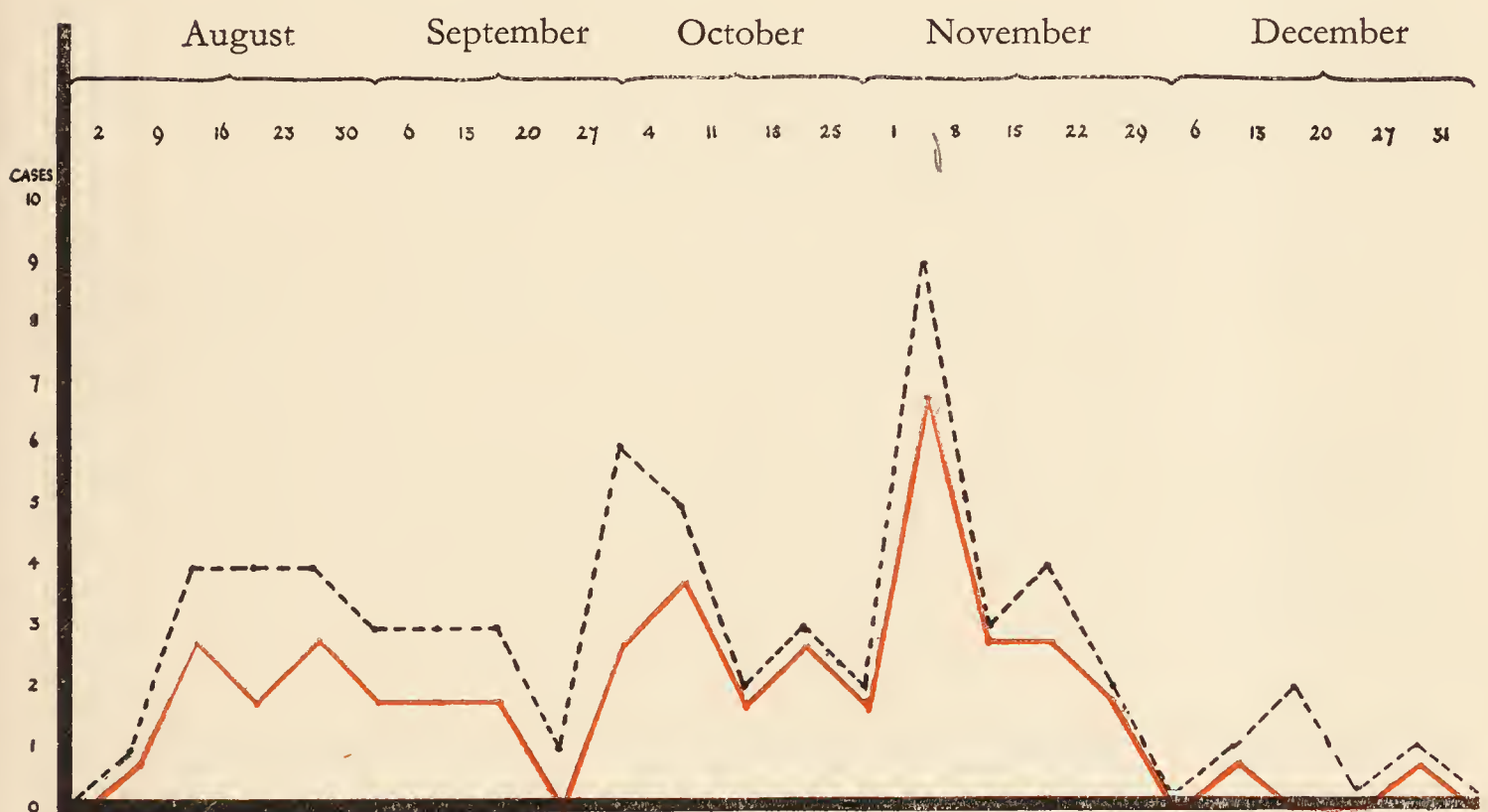
| Sample No. | Formal | Article | Adulteration or other irregularity | | Action taken |
|------------|--------|---------|---|-----|--|
| 7572 | 1 | Milk | 8.5% added water | ... | Case not proceeded with on advice of Legal Dept. Milk in frozen state when sampled. |
| 7647 | 1 | „ | 5.6% added water Fat abstracted 1.3% | ... | Vendor died before matter could be investigated. |
| 7704 | 1 | „ } „ | Fat abstracted 13.3% | } | Consignment above standard. Farmer advised about handling. |
| 7705 | 1 | | Fat abstracted 2.6% | | |
| 7706 | 1 | | Fat abstracted 9.3% | | |
| 7620 | 1 | „ | Fat abstracted 16% | ... | Consignment above standard. Farmer advised about handling. |
| 7714 | 1 | „ } „ | Fat abstracted 6% | } | Milk as given by the cow. Advice tendered on milking procedure. |
| 7715 | 1 | | Fat abstracted 11% | | |
| 7716 | 1 | „ } „ | 8.9% added water | } | Vendor prosecuted. Case heard 30th July, 1947, defendant fined £2 and 15s. 6d. costs on each of two counts. |
| 7717 | 1 | | 4.7% added water Fat abstracted 21.3% | | |
| 7635 | 1 | „ } „ | 44.5% added water Fat abstracted 4% | } | Producer prosecuted. Case heard 3rd September, 1947, defendant fined £5 and 18s. costs on each of four counts. |
| 7636 | 1 | | 41.4% added water | | |
| 7637 | 1 | | 22.8% added water | | |
| 7638 | 1 | | 44.8% added water | | |
| 7734 | 1 | „ | Fat abstracted 4% | ... | Advice tendered on method of milking and handling. |
| 7740 | 1 | „ | 3.8% added water | ... | This sample from same source as samples 7635 to 7638. Vendor warned. |
| 7772 | 1 | „ } „ | 4.4% added water | } | Result due to an accident. Vendor warned. |
| 7773 | 1 | | 3.1% added water | | |
| 7774 | 1 | | 4.1% added water | | |
| 7779 | 1 | „ | 1.6% added water | ... | Average of consignment above standard. No action taken. |
| 7907 | 1 | „ | Deficient in fat and non-fatty solids. Abnormal milk. | | Letter to producer requesting him to investigate, and take the necessary action. |
| 7815 | 1 | „ } „ | Deficient in non-fatty solids | } | Producer interviewed. Results due to methods of handling. |
| 7816 | 1 | | 2.8% added water. Fat abstracted 9.7% | | |
| 7820 | 1 | | 2.2% added water | | |
| 7910 | 1 | „ | 2.0% added water | ... | Letter to producer. |
| 7915 | 1 | Sausage | Meat 11%. Water filler, etc., 89% | } | Deficient in meat content. Vendor prosecuted. Case heard 31st January, 1948. Defendant fined £10 and £1.1.0 costs on each of three counts. |
| 7916 | 1 | „ | Meat 7% Water, filler, etc., 93% | | |
| 7917 | 1 | „ | Meat 21%. water, filler, etc., 79% | | |

APPENDIX I

NOTE ON THE OCCURRENCE OF
ACUTE ANTERIOR POLIOMYELITIS AND POLIOENCEPHALITIS
IN LUTON RESIDENTS, 1947

The first case of Anterior Poliomyelitis notified within the Borough was on 28th May, 1947. Subsequent notifications are shown on the accompanying graph.

ACUTE ANTERIOR POLIOMYELITIS AND POLIOENCEPHALITIS
Graph of admission to Spittlesea Hospital from
2nd August to 31st December, 1947



An analysis of confirmed Luton cases admitted to Spittlesea Hospital, showing age and sex distribution, is set out in the following table.

AGE AND SEX DISTRIBUTION

Acute Anterior Poliomyelitis and Encephalitis

Total number of CONFIRMED Luton cases admitted to Spittlesea Hospital from 2nd August to 31st December, 1947 = 46

| Ages | 0-1 | | 1-5 | | 5-15 | | 15-25 | | 25-35 | | 35-45 | | 45+ | | Totals | | Total cases |
|----------------------------------|-----|----|-----|----|------|----|-------|----|-------|----|-------|----|-----|----|--------|----|-------------|
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | |
| A. | | | | | | | | | | | | | | | | | |
| I. Paralytic : | | | | | | | | | | | | | | | | | |
| a { (i) Slight ... | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | — | — | 1 | — | — | 9 | 5 | 14 |
| (ii) Moderate ... | — | — | 1 | 1 | — | 1 | — | 1 | — | — | — | — | — | — | 1 | 3 | 4 |
| (iii) Severe ... | — | — | — | — | — | — | — | — | 1 | — | — | 1 | — | — | 1 | 1 | 2 |
| b { (i) Slight ... | — | — | 4 | — | 2 | — | — | 1 | — | — | 1 | — | — | — | 7 | 1 | 8 |
| (ii) Moderate ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (iii) Severe ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| II. Non-paralytic | | | | | | | | | | | | | | | | | |
| (a) With changes in C.S.F. ... | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | 1 | — | 1 |
| (b) With clinical signs only ... | — | — | 5 | — | 1 | 2 | — | — | — | — | 1 | — | — | — | 7 | 2 | 9 |
| Totals ... | 1 | 1 | 15 | 2 | 5 | 4 | 1 | 3 | 2 | — | 2 | 2 | — | — | 26 | 12 | 38 |
| B. | | | | | | | | | | | | | | | | | |
| Fatal Cases | | | | | | | | | | | | | | | | | |
| I. Paralytic : | | | | | | | | | | | | | | | | | |
| (a) Limbs and/or trunk ... | — | — | — | — | — | — | 1 | — | — | 1 | 1 | — | — | — | 2 | 1 | 3 |
| (b) Others ... | — | — | — | 1 | 2 | — | — | — | — | 1 | — | — | — | — | 2 | 2 | 4 |
| II. Non-paralytic | | | | | | | | | | | | | | | | | |
| Totals ... | — | — | — | 1 | 3 | — | 1 | — | — | 2 | 1 | — | — | — | 5 | 3 | 8 |
| Grand Totals | 1 | 1 | 15 | 3 | 8 | 4 | 2 | 3 | 2 | 2 | 3 | 2 | — | — | 31 | 15 | 46 |

Note.—Six cases were treated in mechanical respirators. Of these only one, a male aged 9 years, recovered. Distribution of fatal cases is as follows :—

Two females, aged 4 years and 31 years.

Three males, aged 10 years, 21 years and 35 years.

The table shows that the disease affects all ages up to 45 years, but the maximum incidence is in males in the 1-5 age group. The last notified case was on 26th December, 1947.

Confirmed Cases

| | | | |
|---|-----|-----|----|
| Maximum number in hospital on any one day ... | ... | ... | 13 |
| Maximum number treated in Iron Lung at any one time ... | ... | ... | 3 |
| The number of confirmed cases admitted during the week ending 1st November 1947 (peak period) ... | ... | ... | 7 |

APPENDIX II.

THE SITUATION OF ILLEGITIMATE INFANTS.

As some time elapses between the birth of an illegitimate infant and the making of reasonably stable arrangements for its care, the following note relates to infants born between 1st July, 1946, and the 30th June, 1947.

The situation of surviving infants on attaining the age of 6 months is examined for the purpose of affording a guide to the size and nature of the problem.

The outstanding fact disclosed is the high proportion of illegitimate infants who, at the age of 6 months, are still either in the care of the natural mother or who have been adopted.

Situation at the age of 6 months of illegitimate infants born between 1st July, 1946, and 30th June, 1947.

| | | | | | |
|--|-----|-----|-----|-----|-----------|
| Still in care of natural mother | ... | ... | ... | ... | 87 |
| Adopted | ... | ... | ... | ... | 15 |
| In Institutions | ... | ... | ... | ... | 2 |
| Lost Trace of | ... | ... | ... | ... | 18 |
| Under supervision of Bedfordshire County Council | ... | | | | 23 |
| | | | | | <hr/> 145 |

(5 of those known to be in the care of the natural mother had moved out of Luton before reaching the age of six months. 5 illegitimate infants died before reaching the age of 6 months).

APPENDIX III.

PREMATURE INFANTS.

A premature infant is defined as one weighing less than $5\frac{1}{2}$ lbs. at birth. The term includes, therefore, somewhat small, but healthy babies who require little more than ordinary care and management, and, on the other hand, infants who are so small that they have little chance of surviving however much care they are given.

Between these extremes are infants who, with expert attention, have a good chance of becoming healthy, vigorous babies, but who would probably not survive the ordinary rigours of early life which the normal baby meets without harm.

Special arrangements for the care of premature infants in their homes are made within the Council's municipal midwifery service, and infants who cannot be cared for at home are admitted to hospital.

Premature births which occurred during the year are analysed below according to place of birth, and birthweight.

PREMATURE INFANTS CLASSIFIED ACCORDING TO BIRTH WEIGHT.

| | Under 2 lbs. | 2-3 lbs. | 3-4 lbs. | 4-5 lbs. | 5- $5\frac{1}{2}$ lbs. | Weight not Re- corded | All |
|--|-----------------|----------|----------|----------|------------------------|-----------------------------|-----|
| Number | 1 | 7 | 21 | 37 | 53 | 1 | 120 |
| No. surviving after 24 hours | 1 | 6 | 17 | 37 | 52 | 1 | 114 |
| No. surviving at 4 weeks* | — | 1 | 15 | 34 | 48 | — | 98 |

* Compiled 28th January, 1948

Premature Infants according to Place of Birth.

Born in Maternity Institutions :—

| | |
|---|-------|
| (a) Under control of Borough Council | 71 |
| (b) Other | 32 |
| | — 103 |
| Born at home | 17 |
| Total | 120 |